General Algebra II
Lesson #4 Unit 6
Class Worksheet #4
For Worksheet #5

General Algebra II CWS #4 Unit 6

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1. Make a table giving t and P(t) every 4 hours from t = 0 to t = 20.

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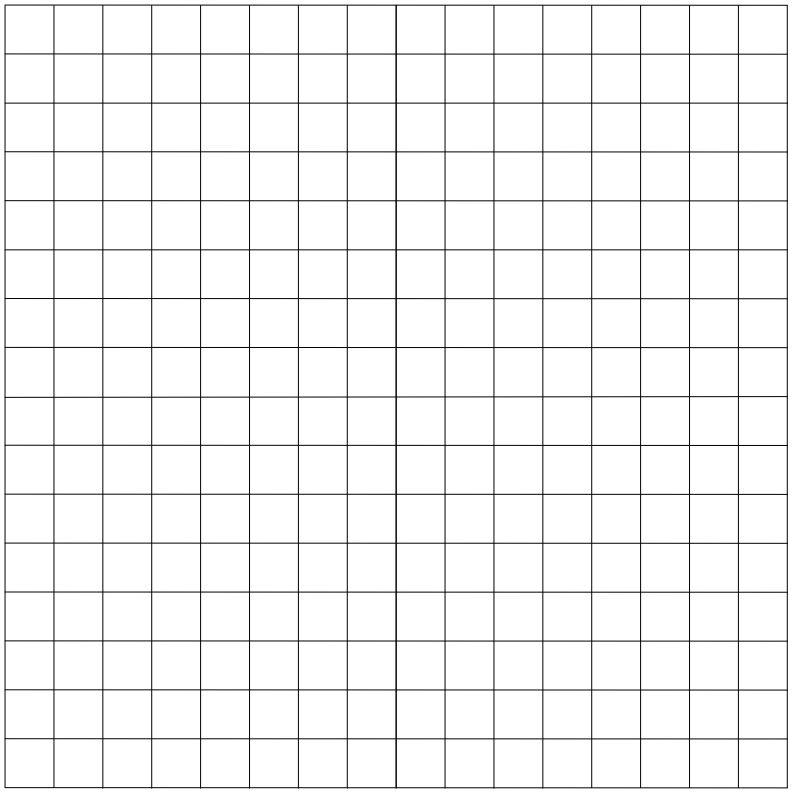

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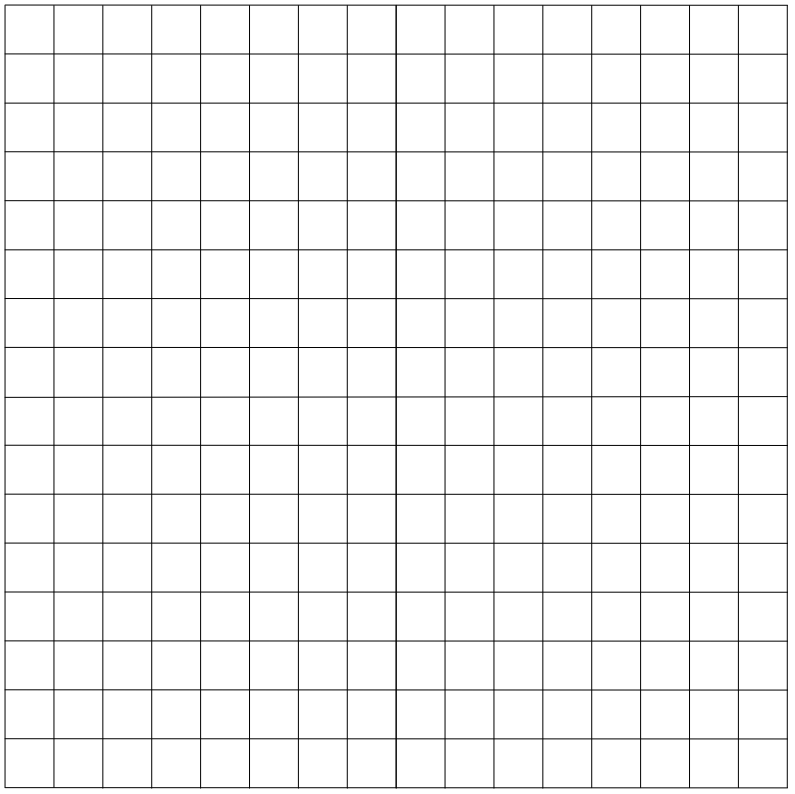

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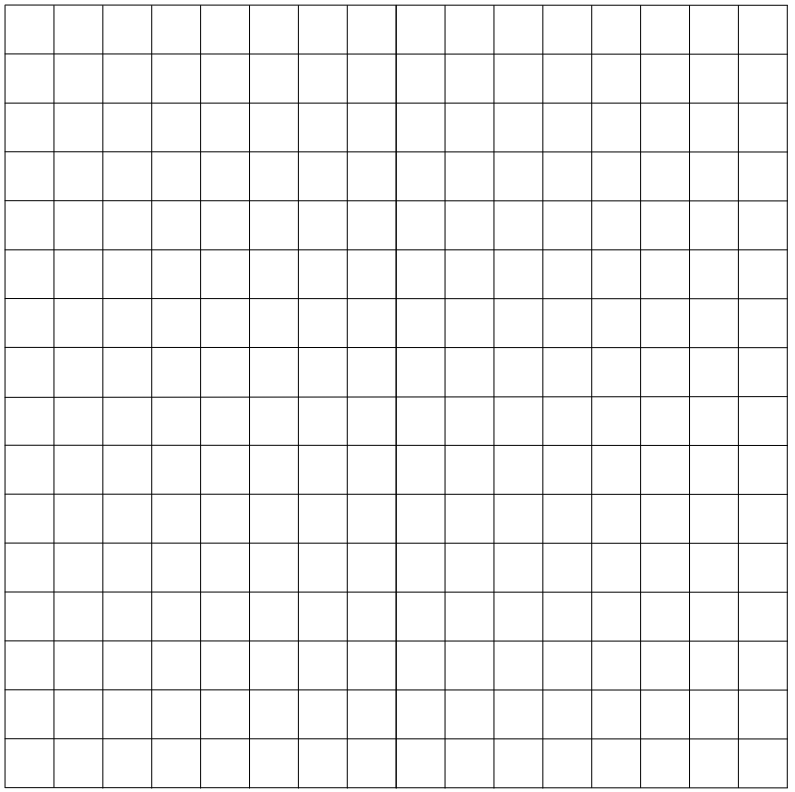

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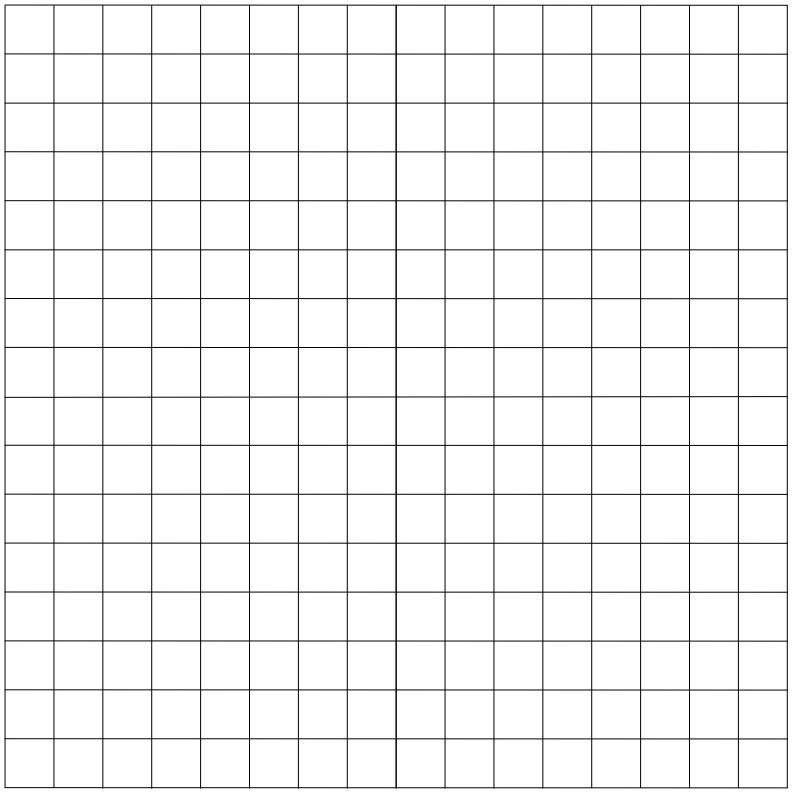
t	P(t)
0	

2. Graph function P.



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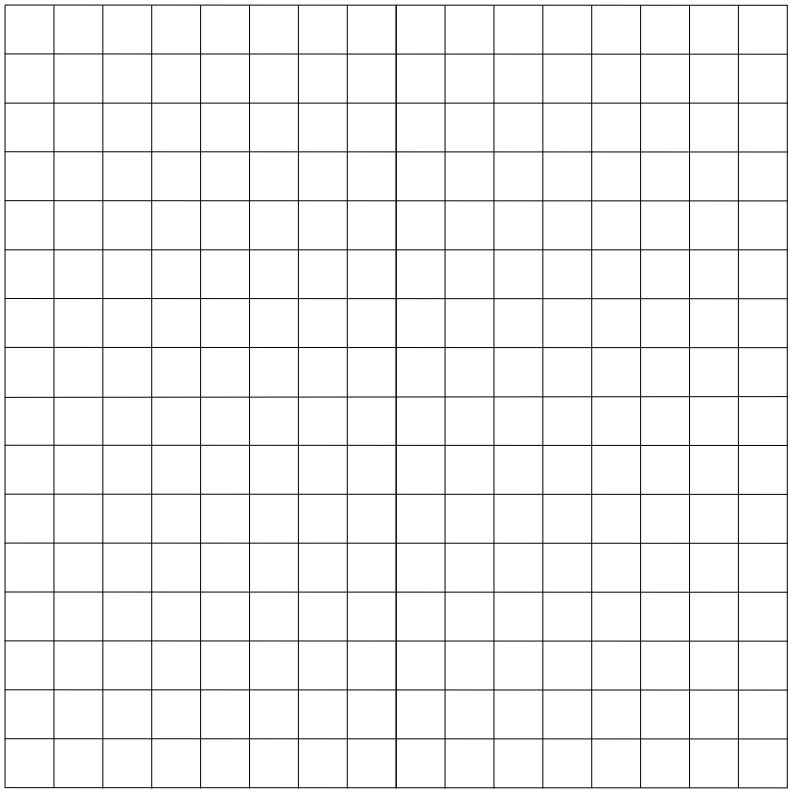

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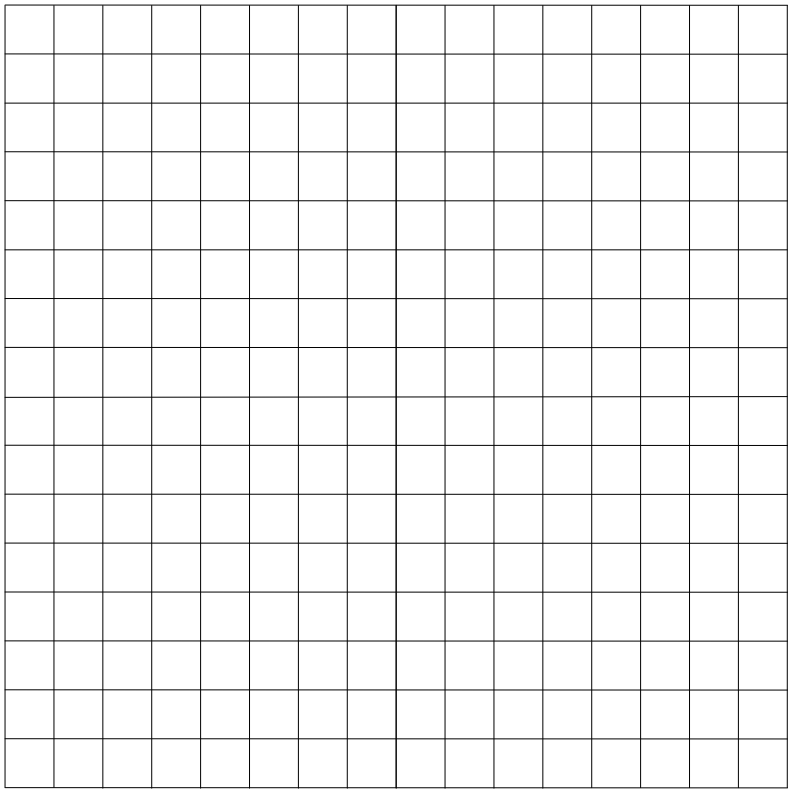
t	P(t)
0	0
4	

2. Graph function P.



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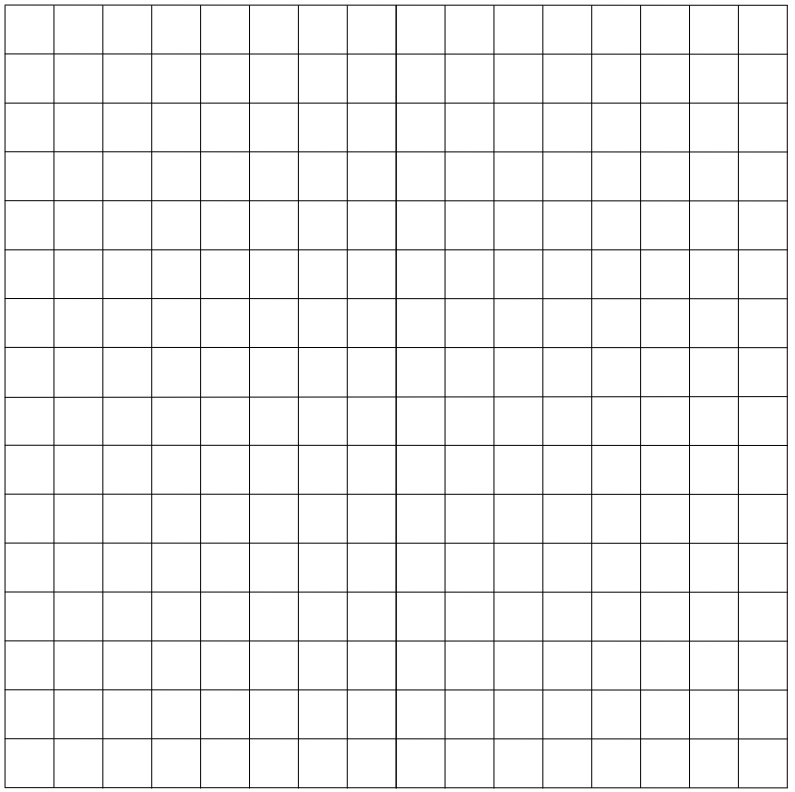
t	P(t)
0	0
4	32

2. Graph function P.



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0	0
4	32

$8 per hour for 4 hours.

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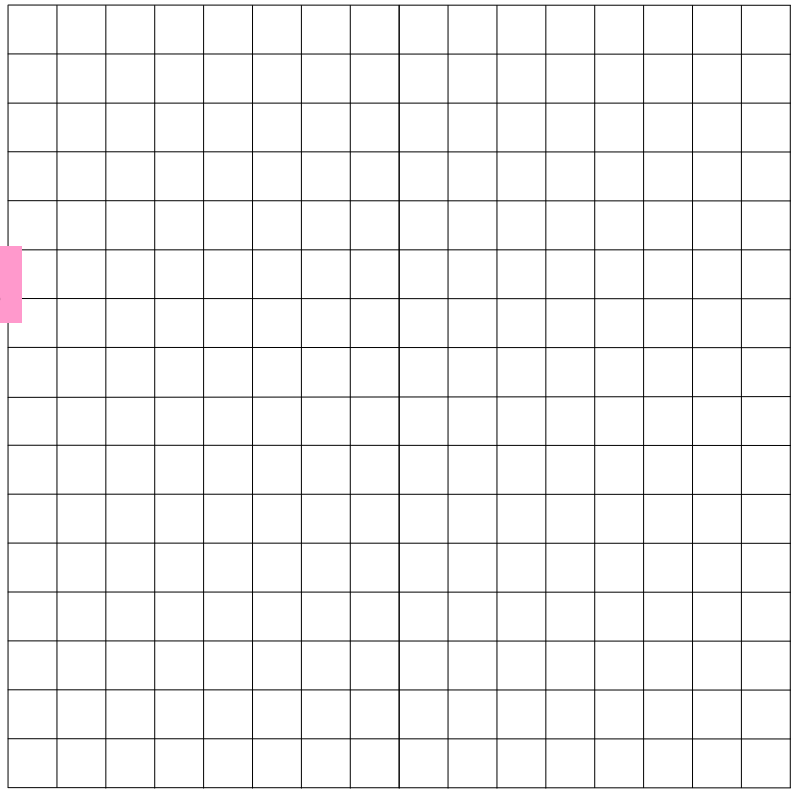

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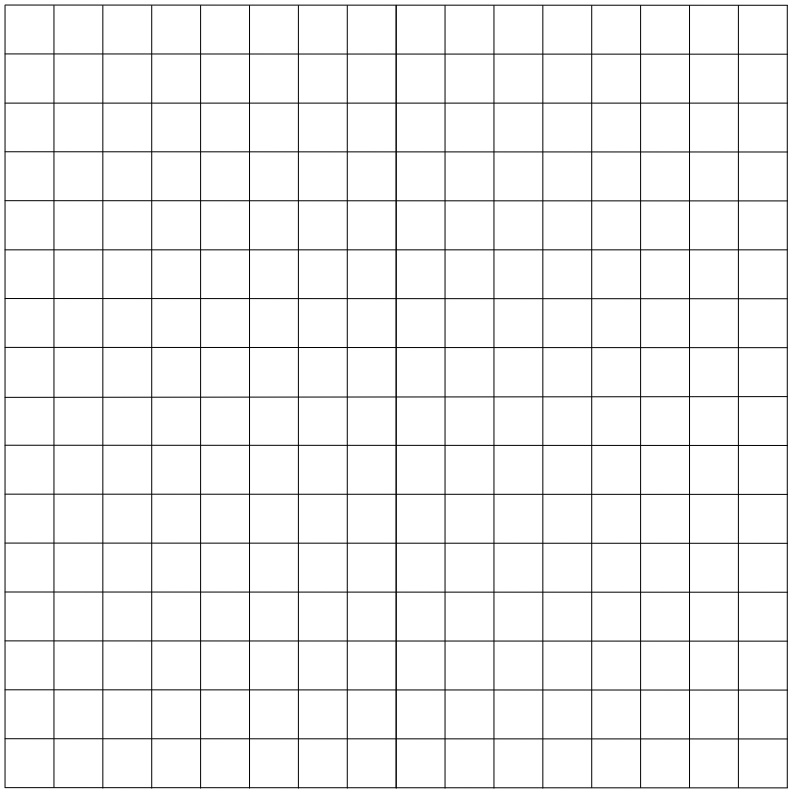

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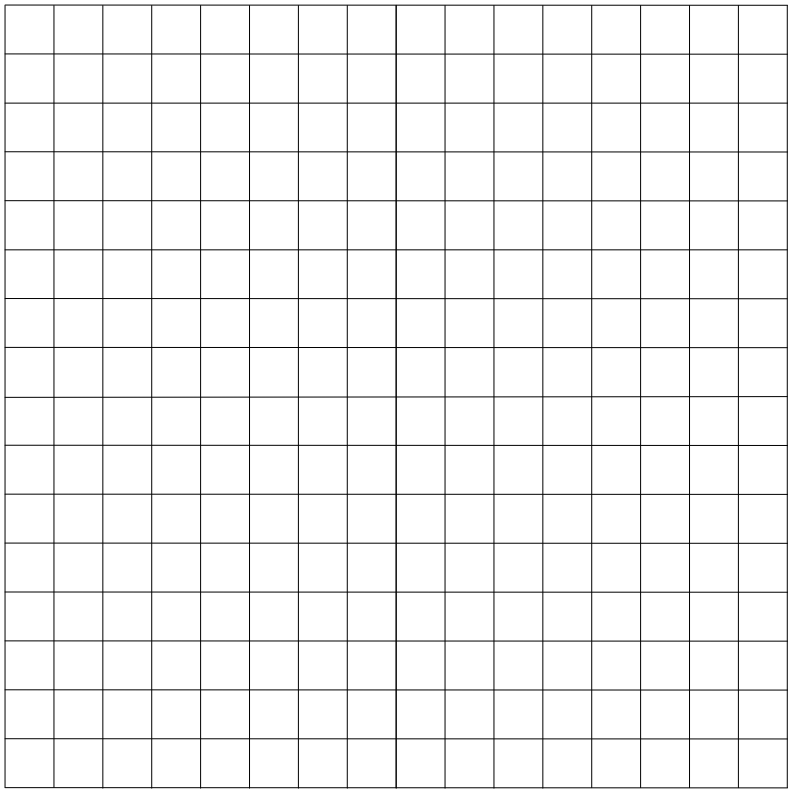
t	P(t)
0	0
4	32
8	

2. Graph function P.



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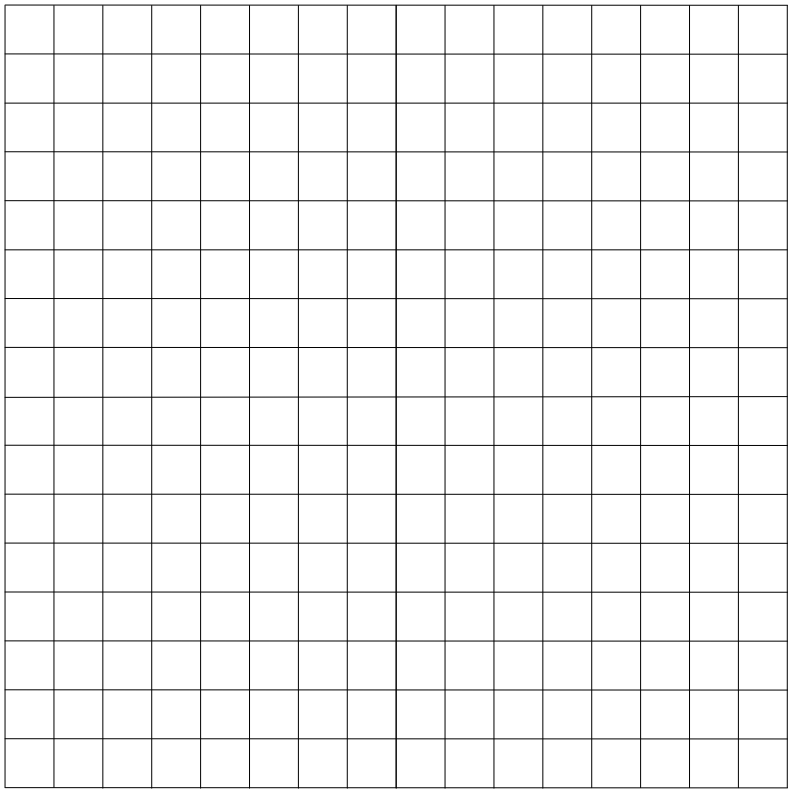
t	P(t)
0	0
4	32
8	64

2. Graph function P.



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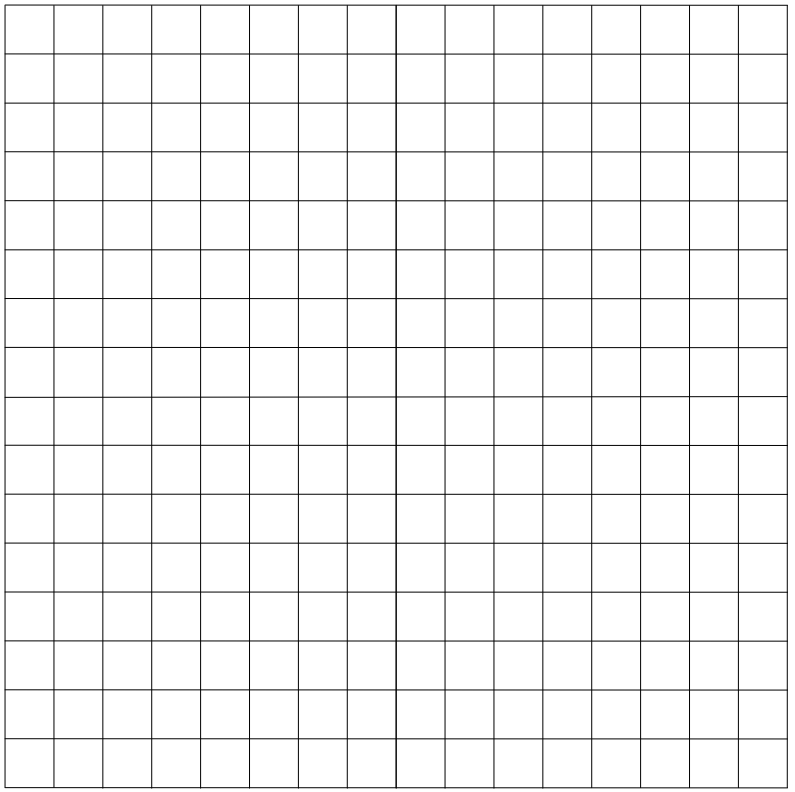
t	P(t)
0	0
4	32
8	64
12	

2. Graph function P.



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t	P(t)
0	0
4	32
8	64
12	96

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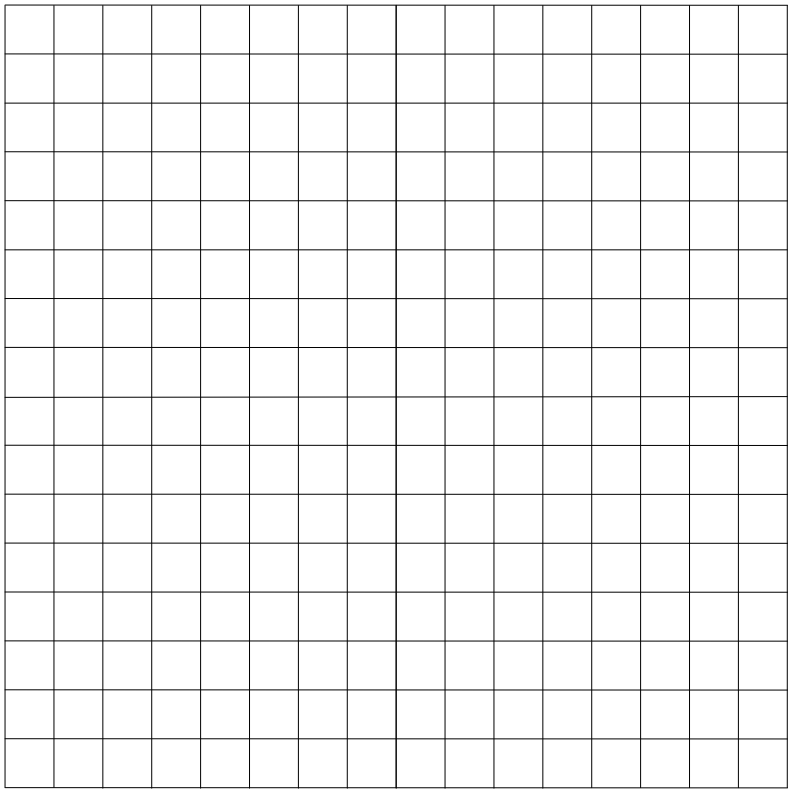

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t	P(t)
0	0
4	32
8	64
12	96
16	

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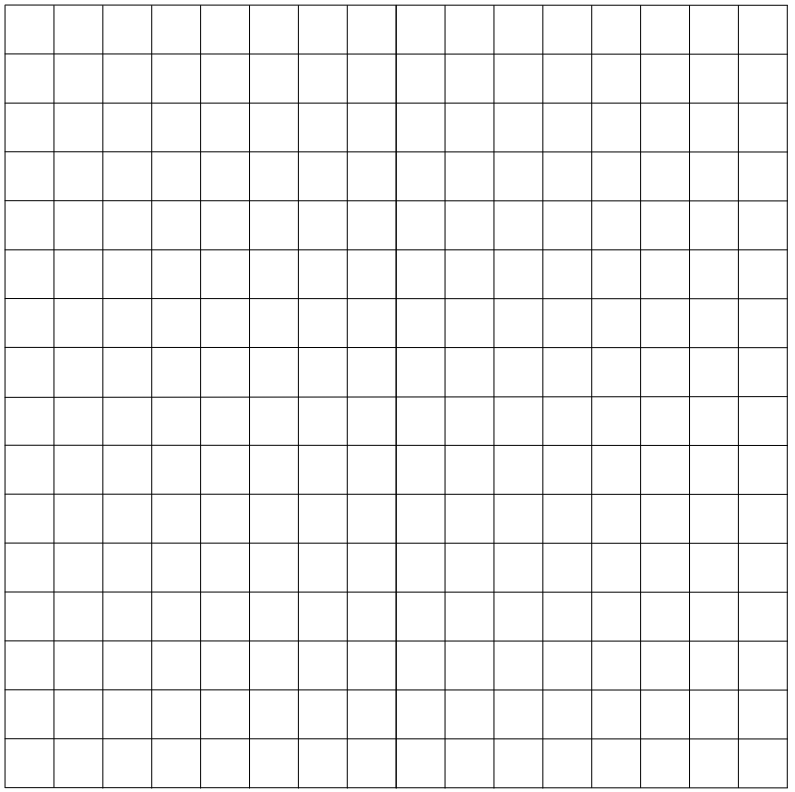

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t	P(t)
0	0
4	32
8	64
12	96
16	128

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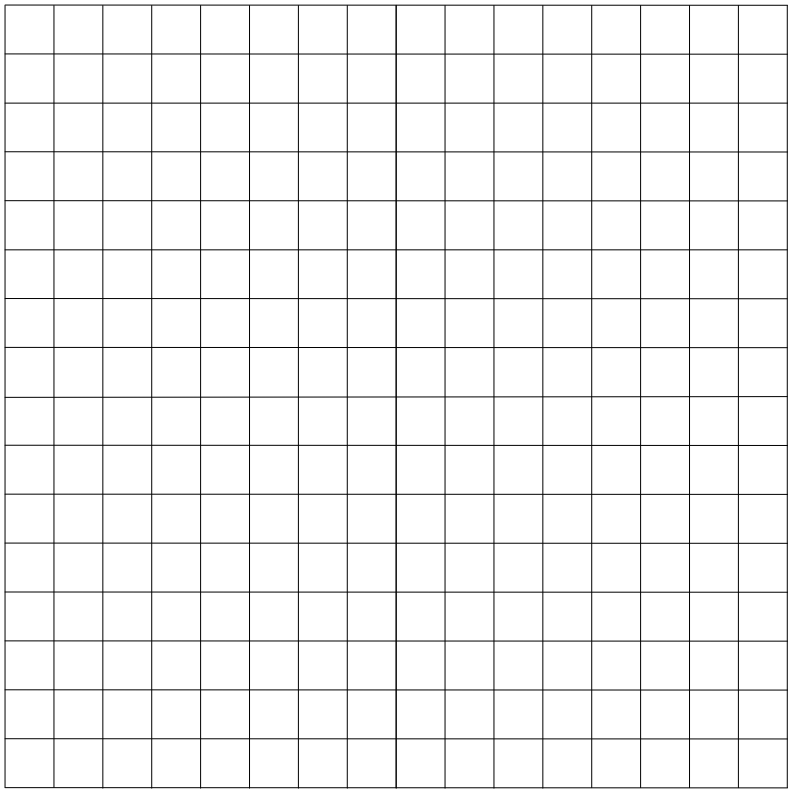

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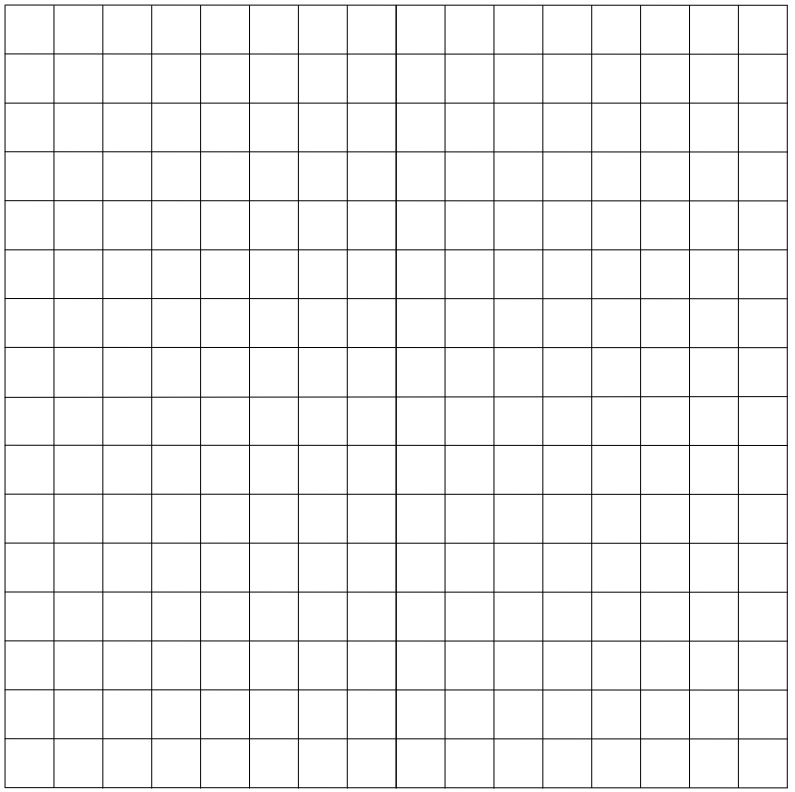

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t	P(t)
0	0
4	32
8	64
12	96
16	128
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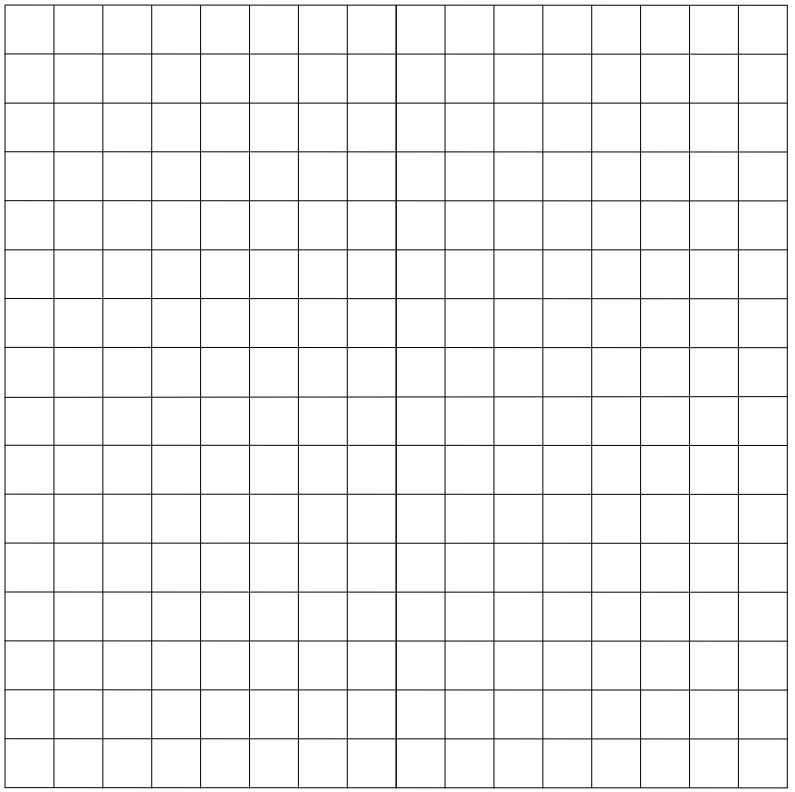

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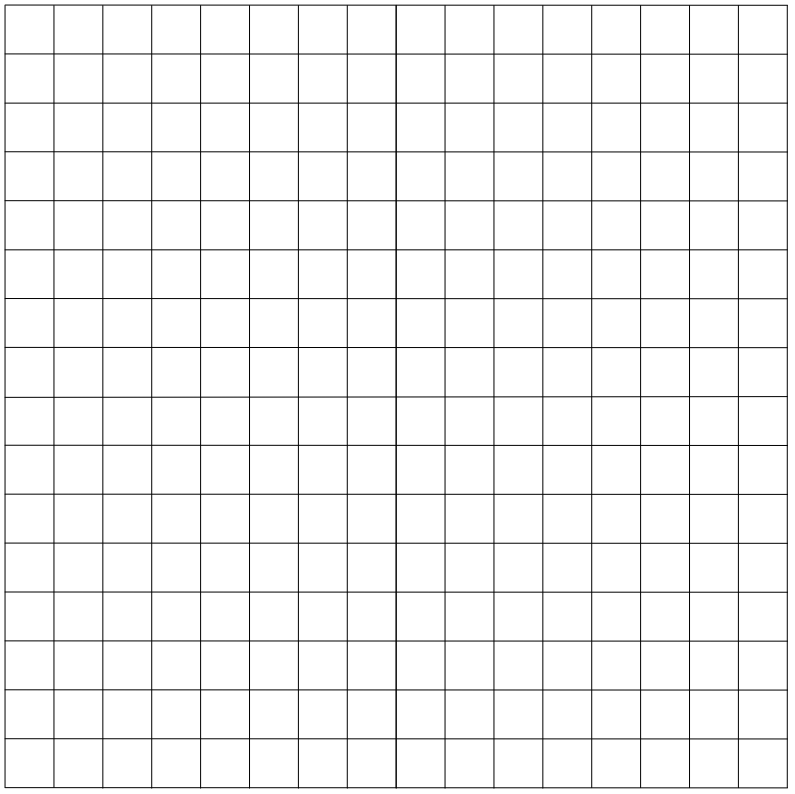

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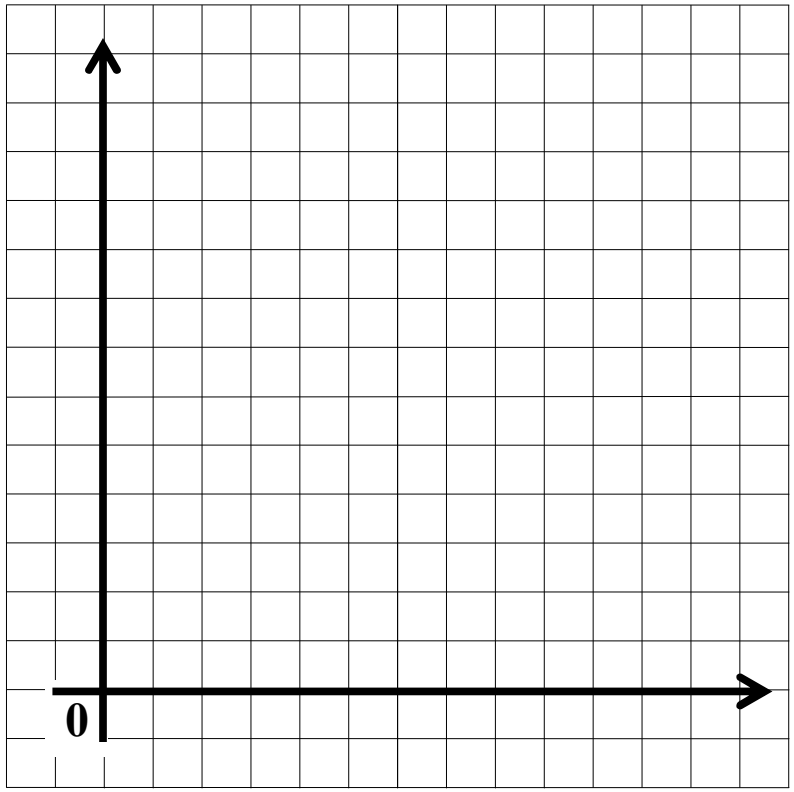

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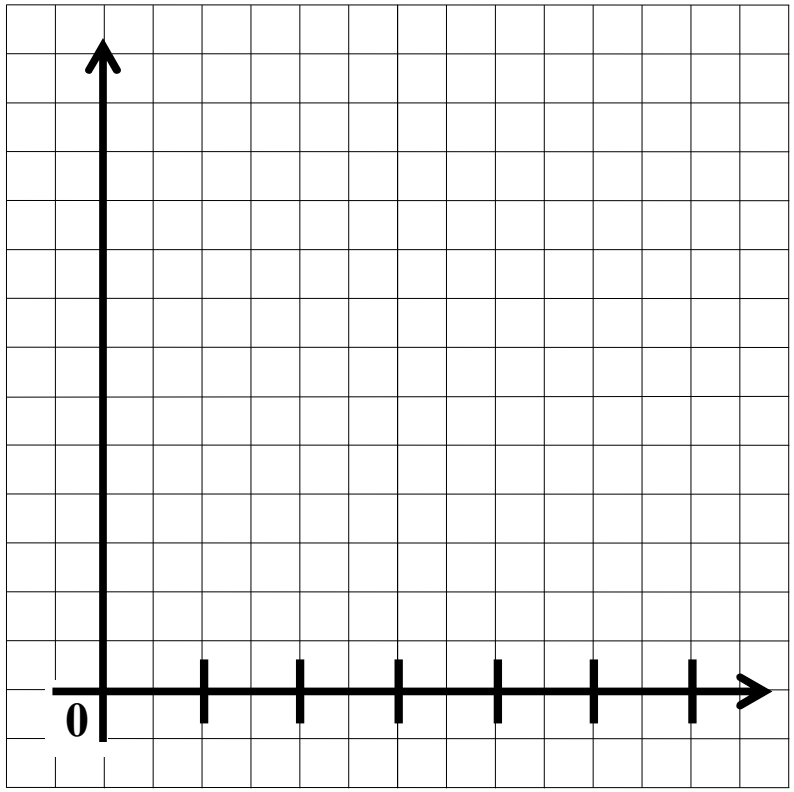

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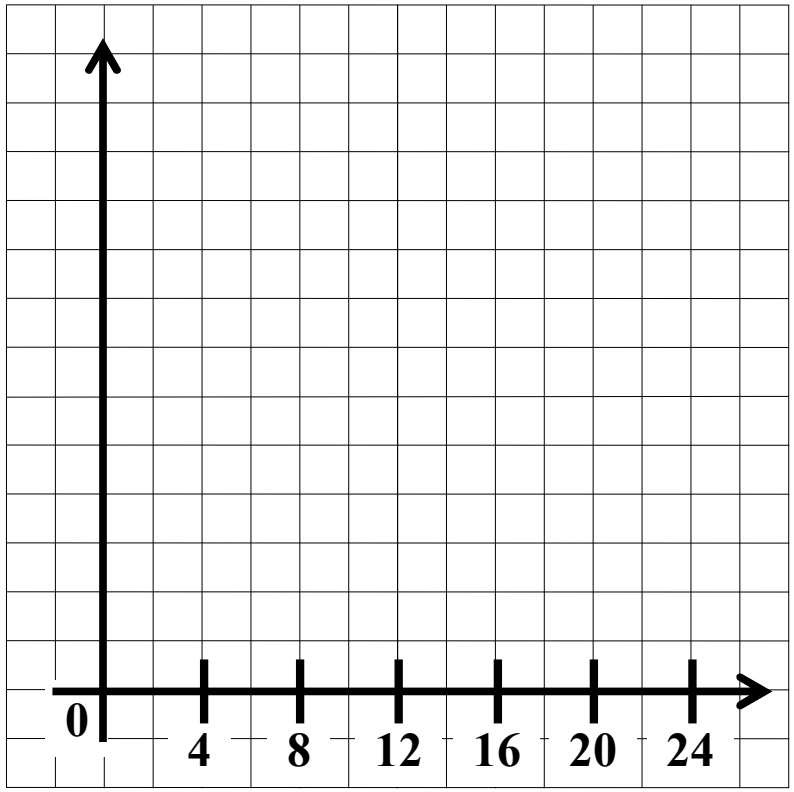

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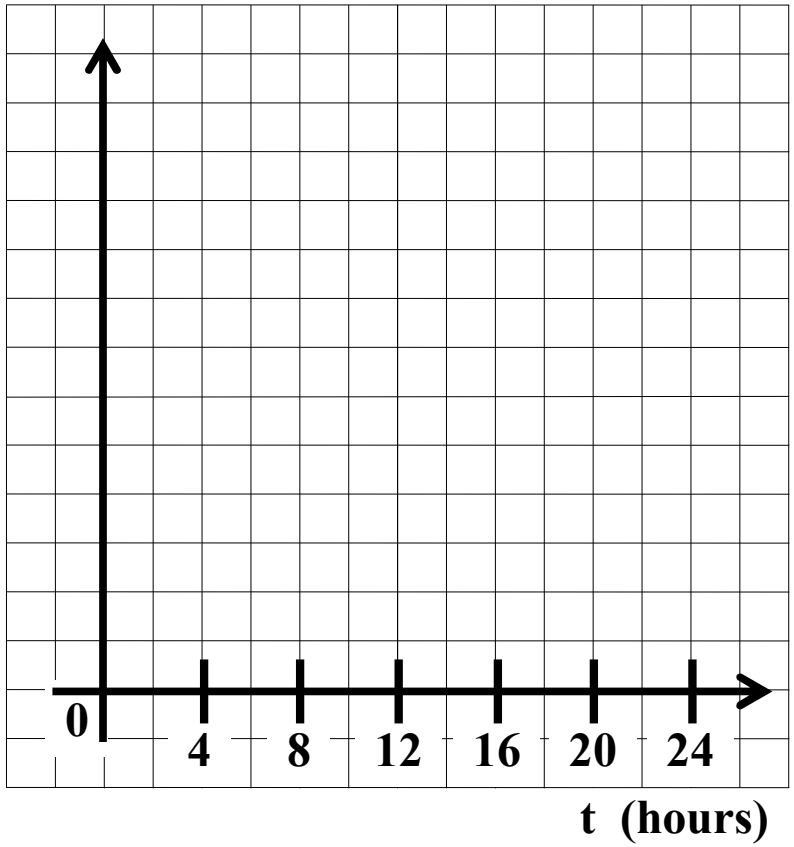

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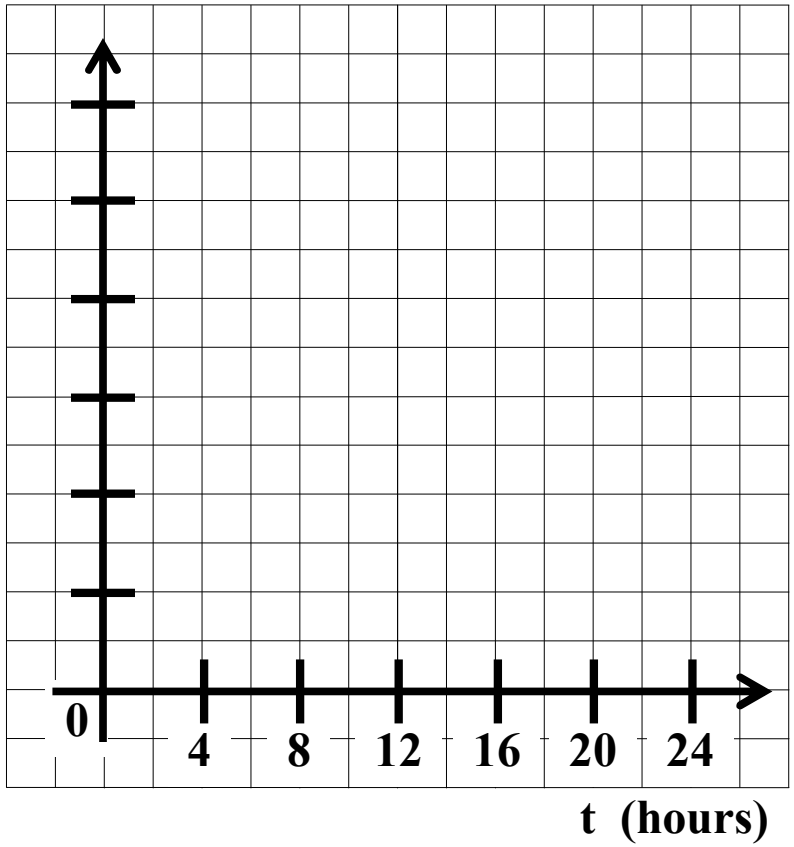

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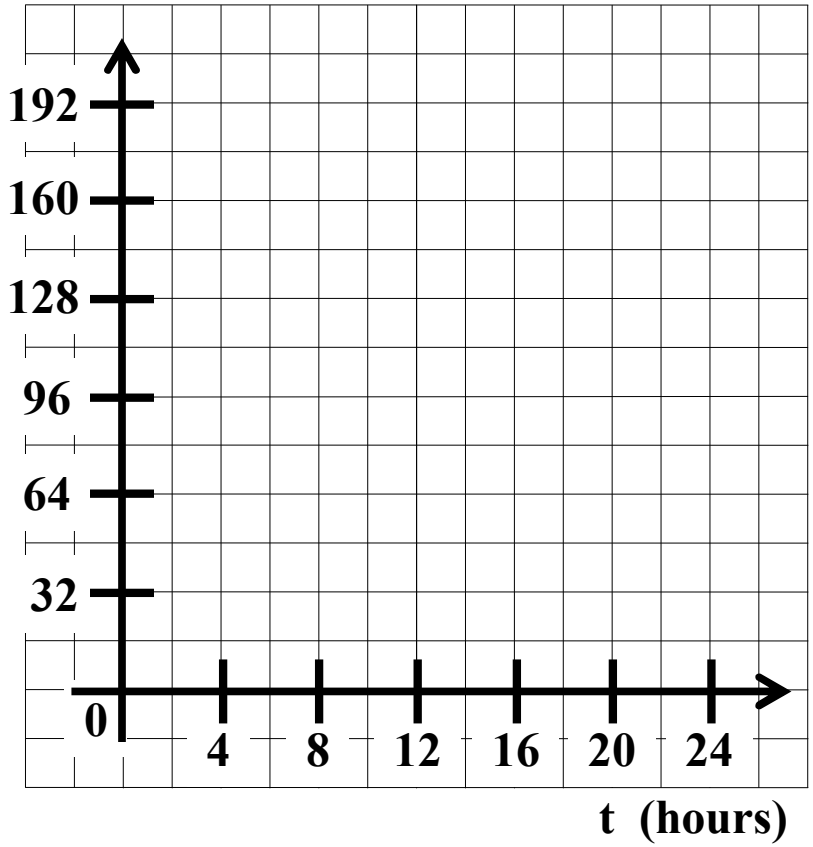

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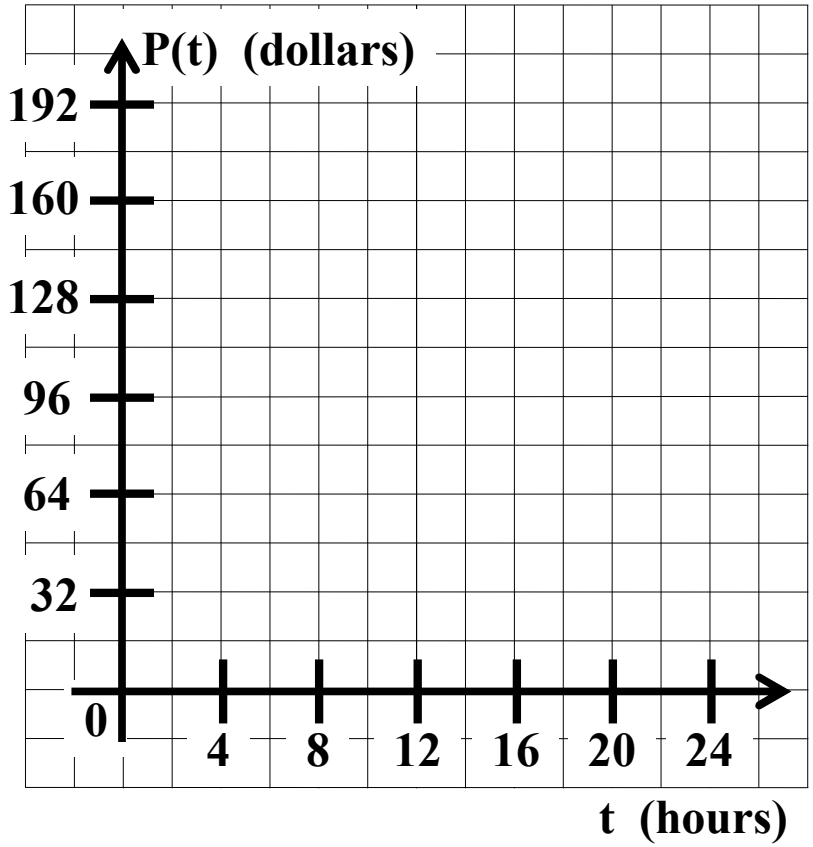

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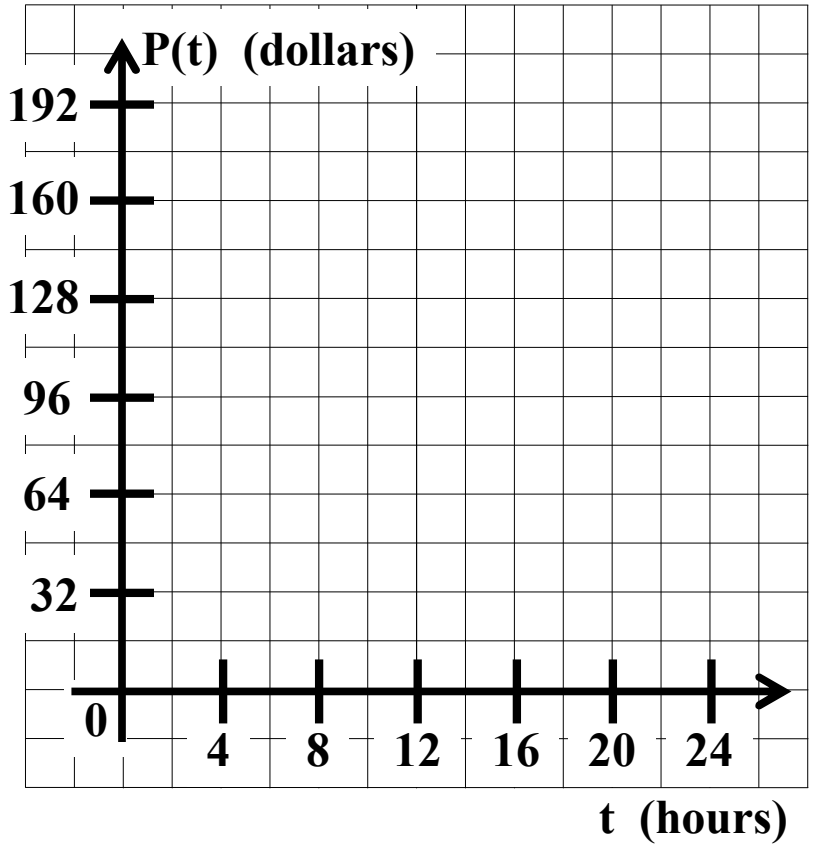

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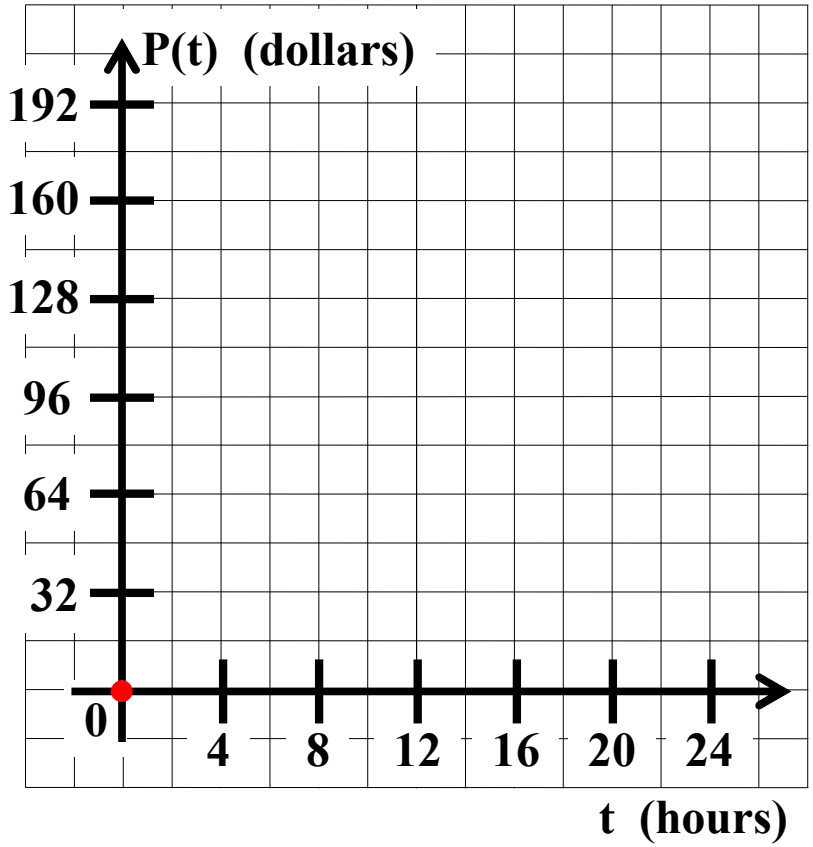

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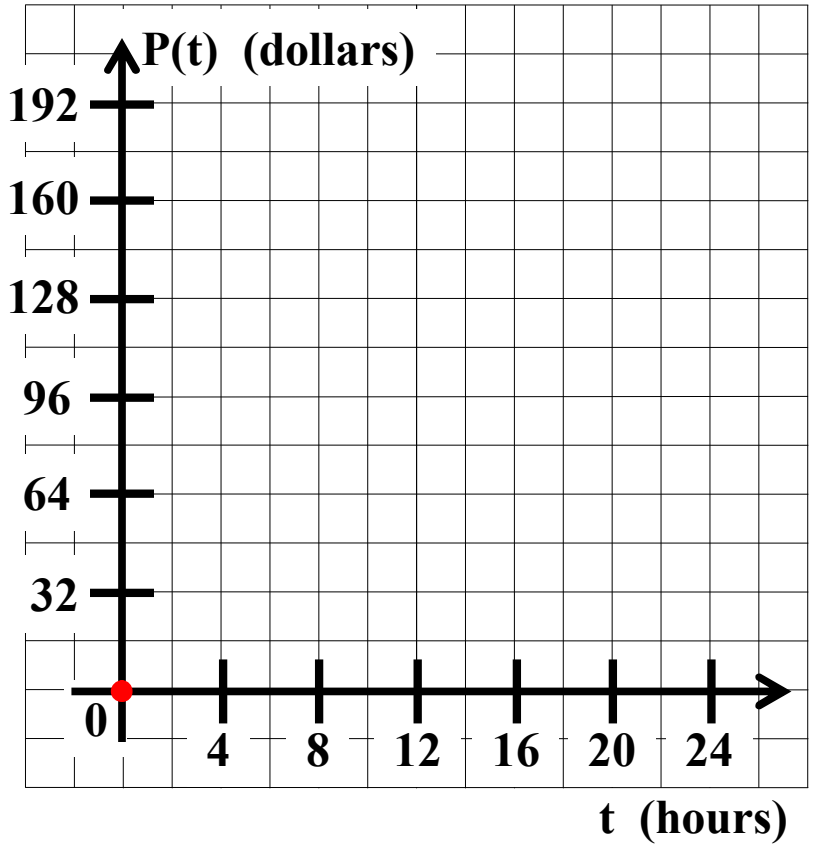

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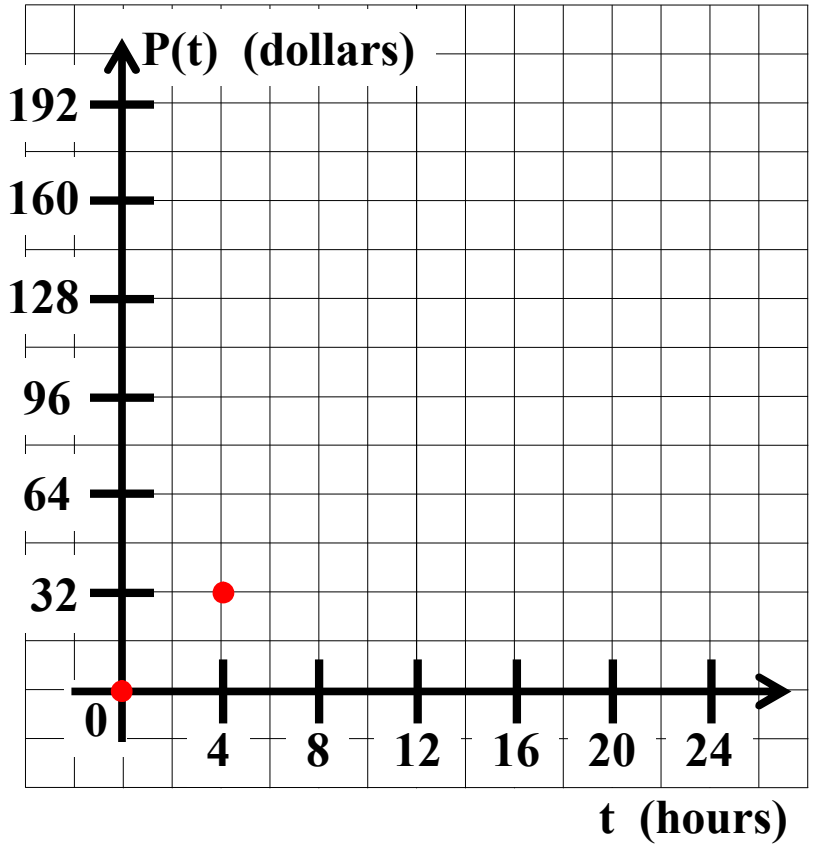

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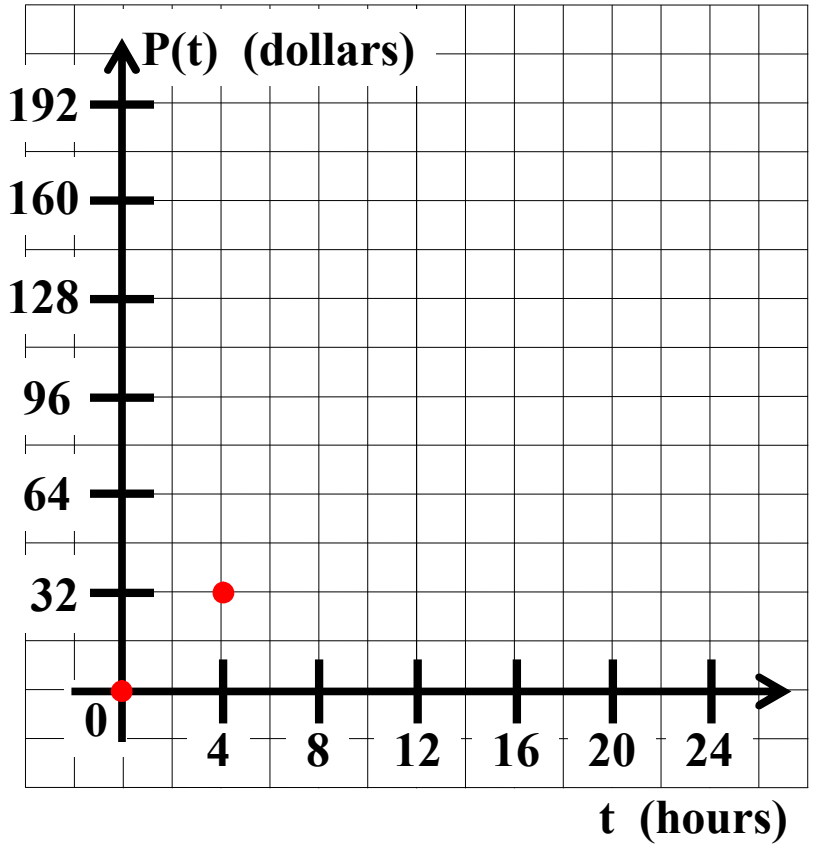

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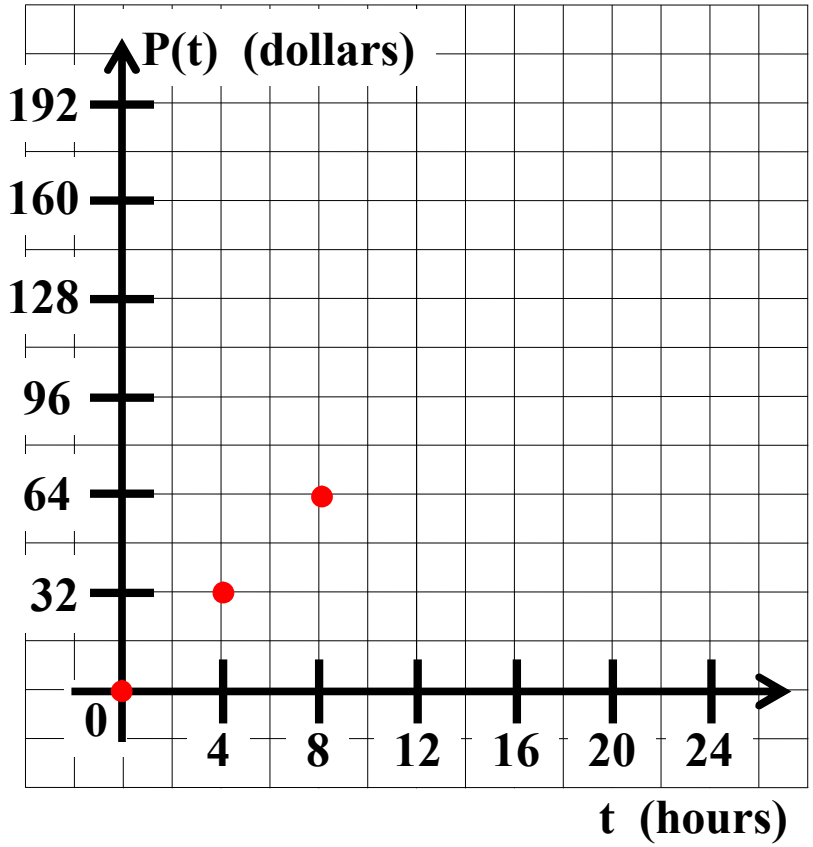

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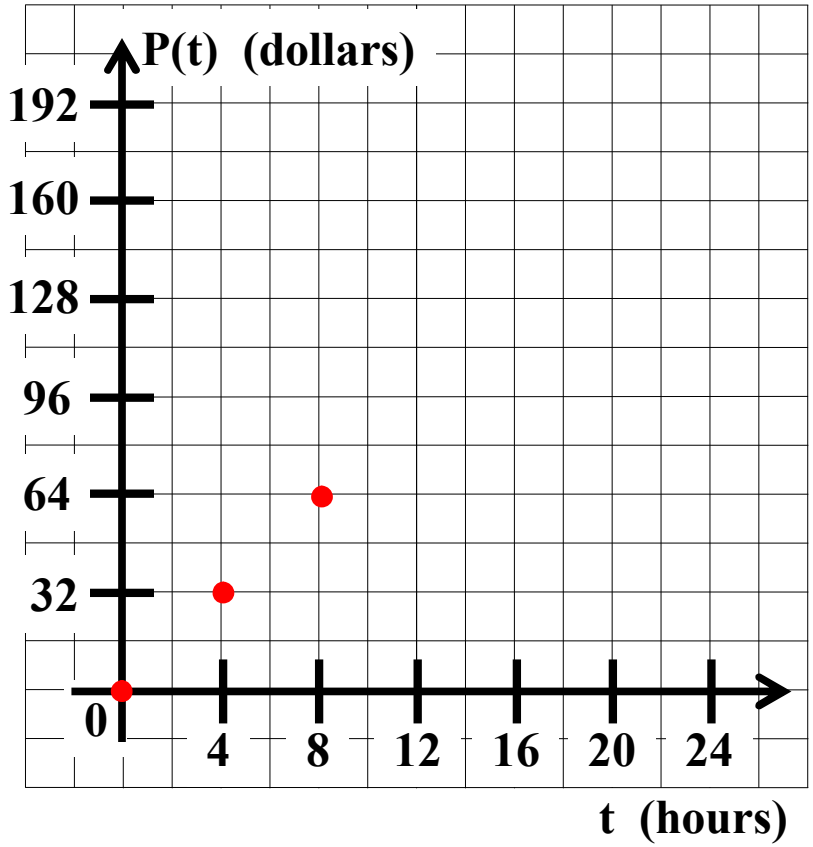

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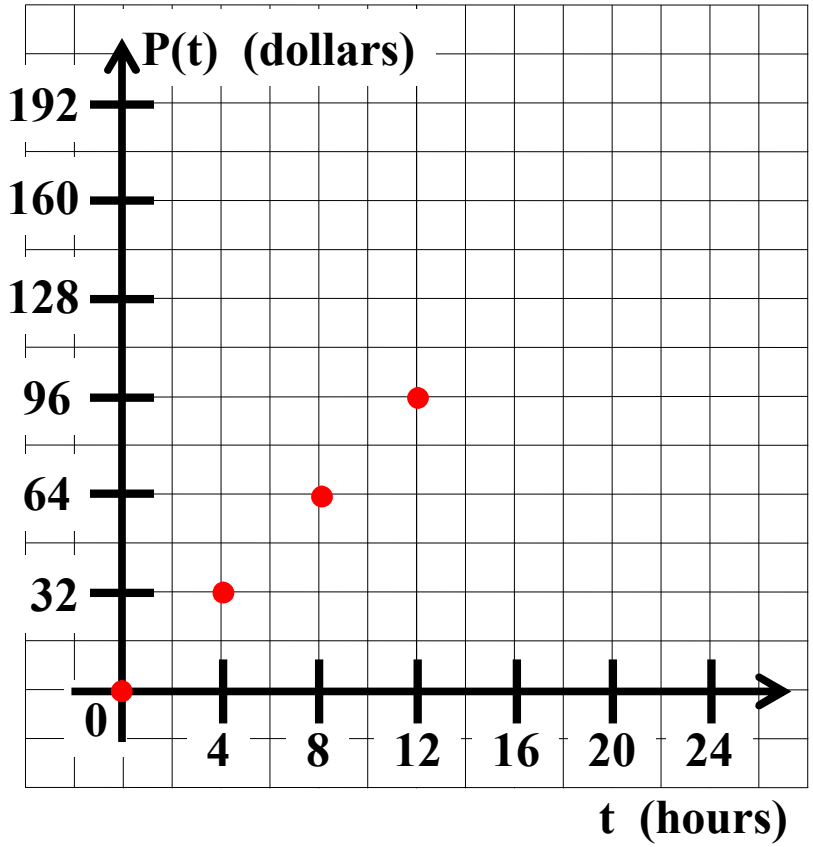

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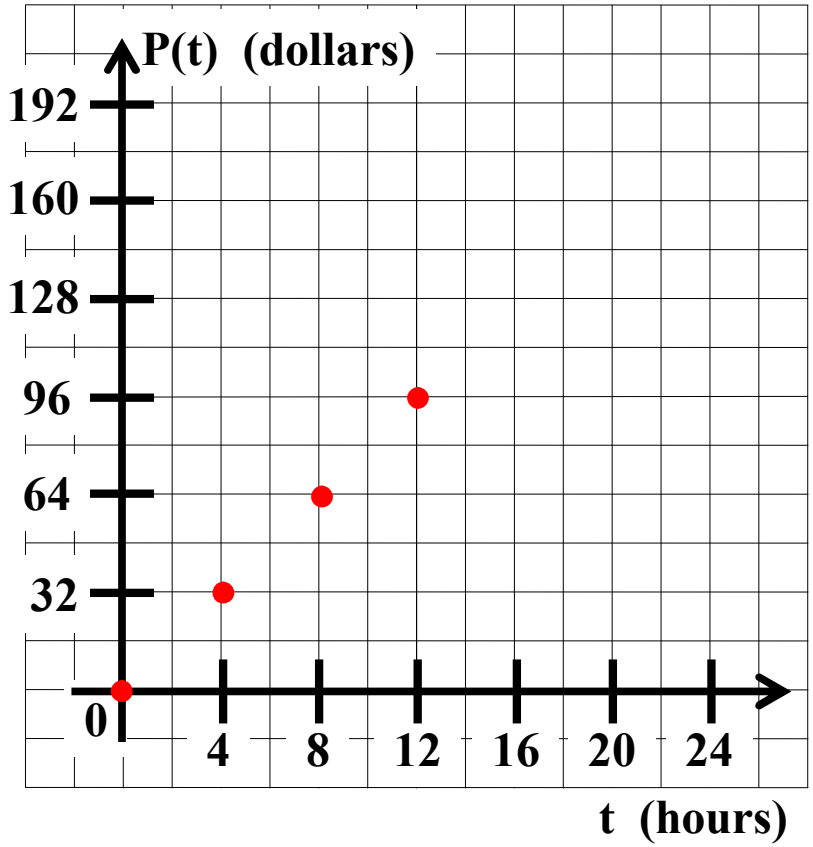

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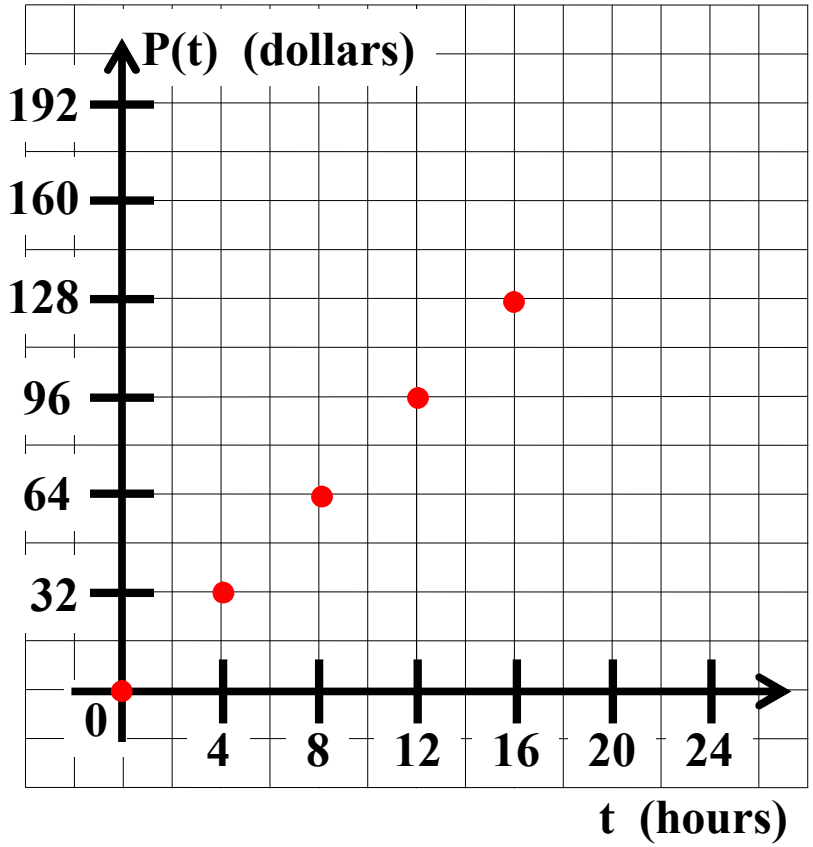

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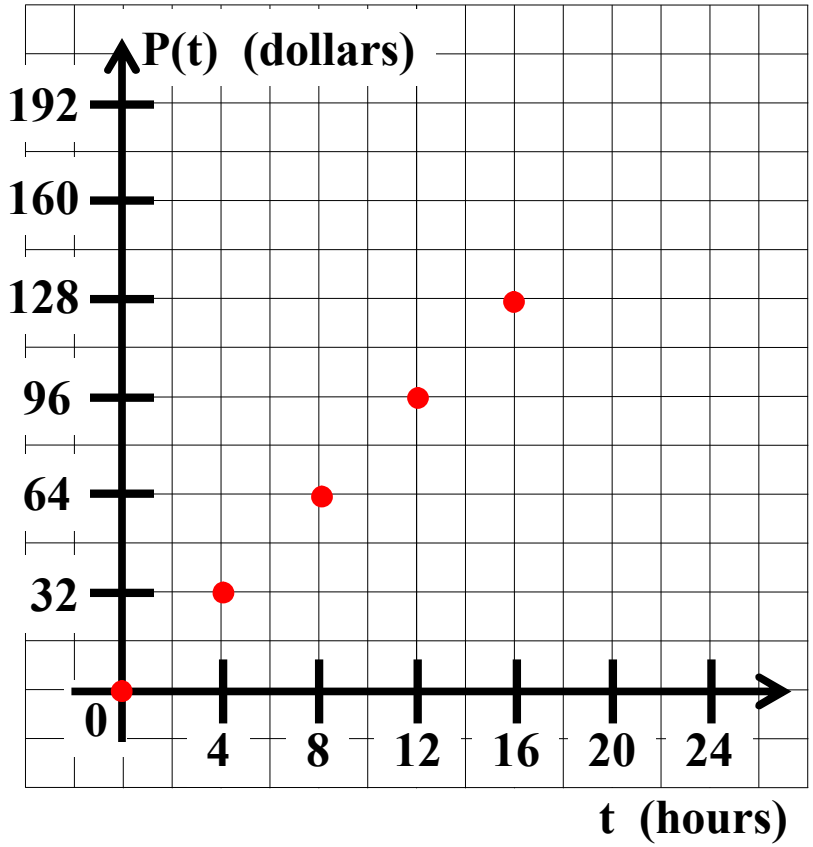

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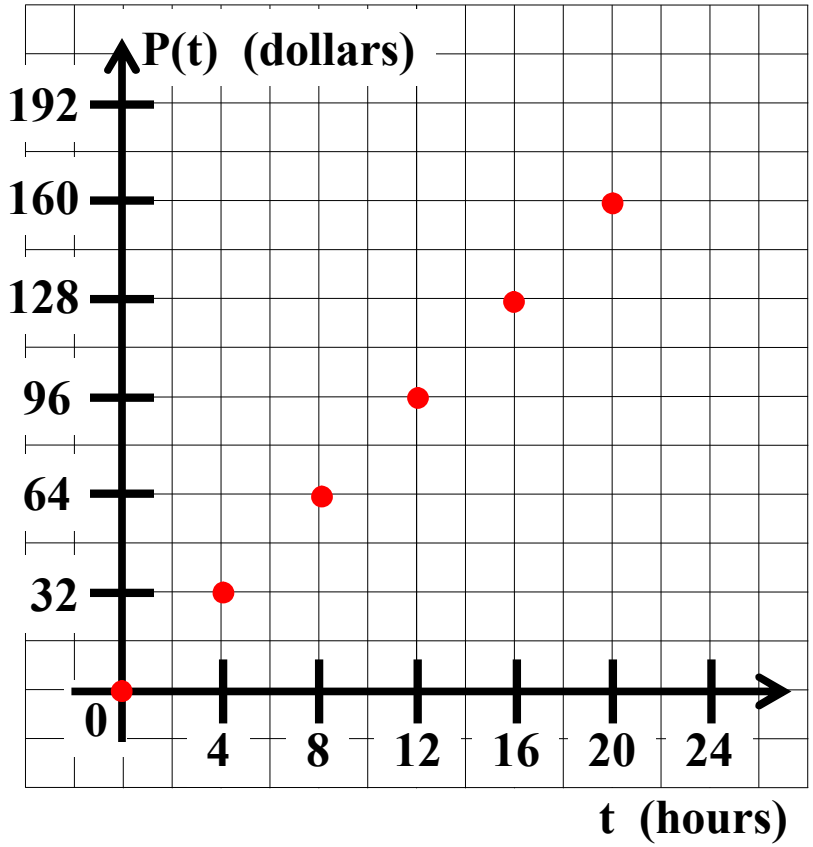

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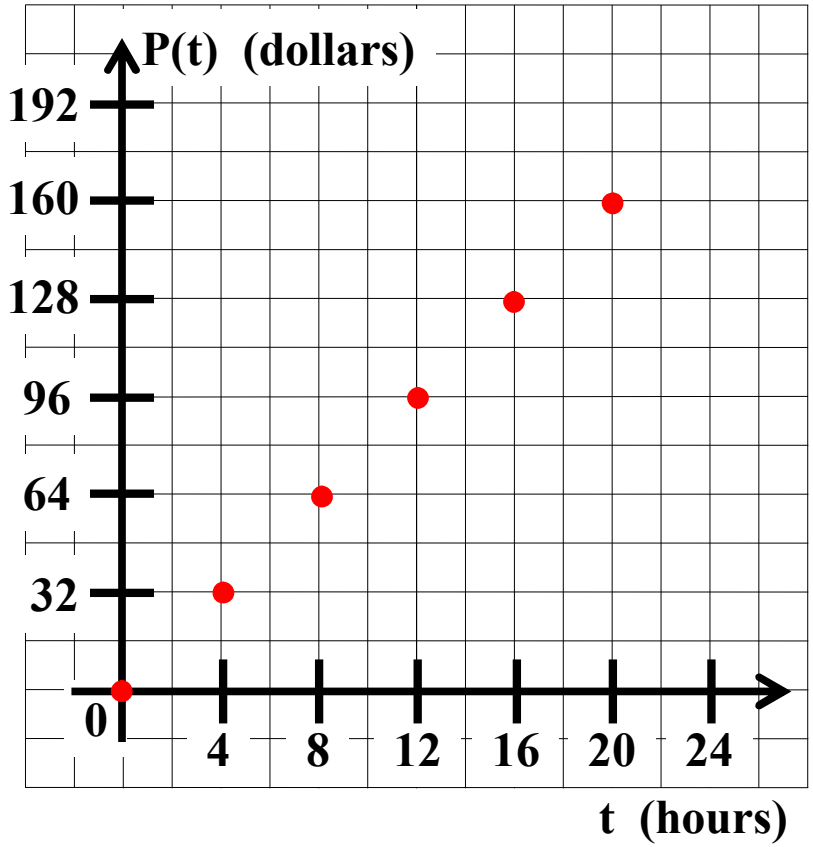

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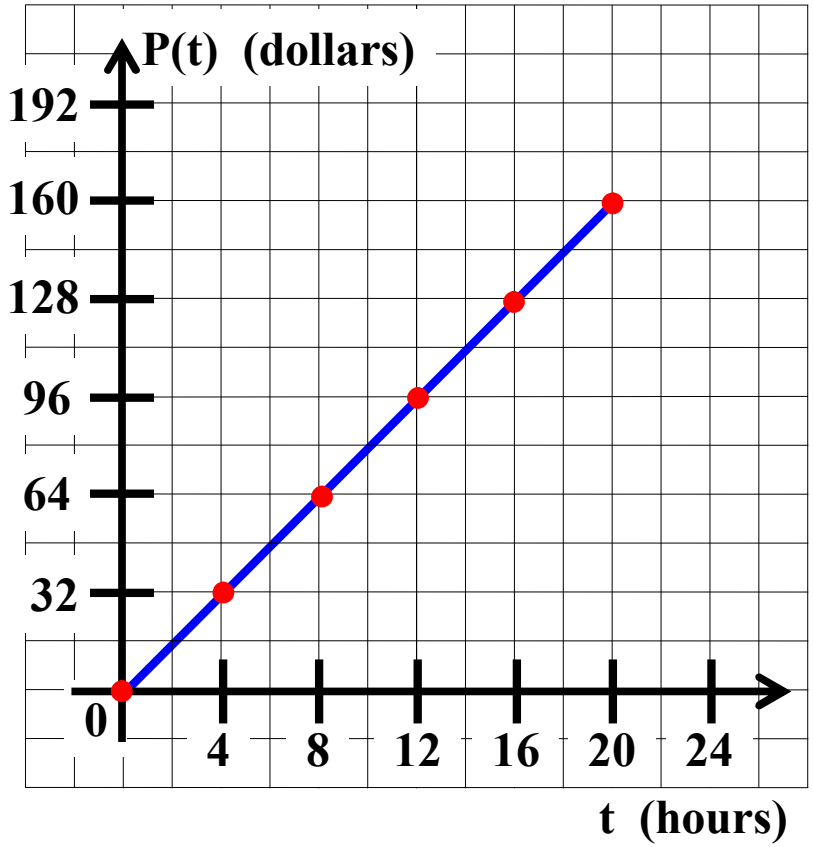

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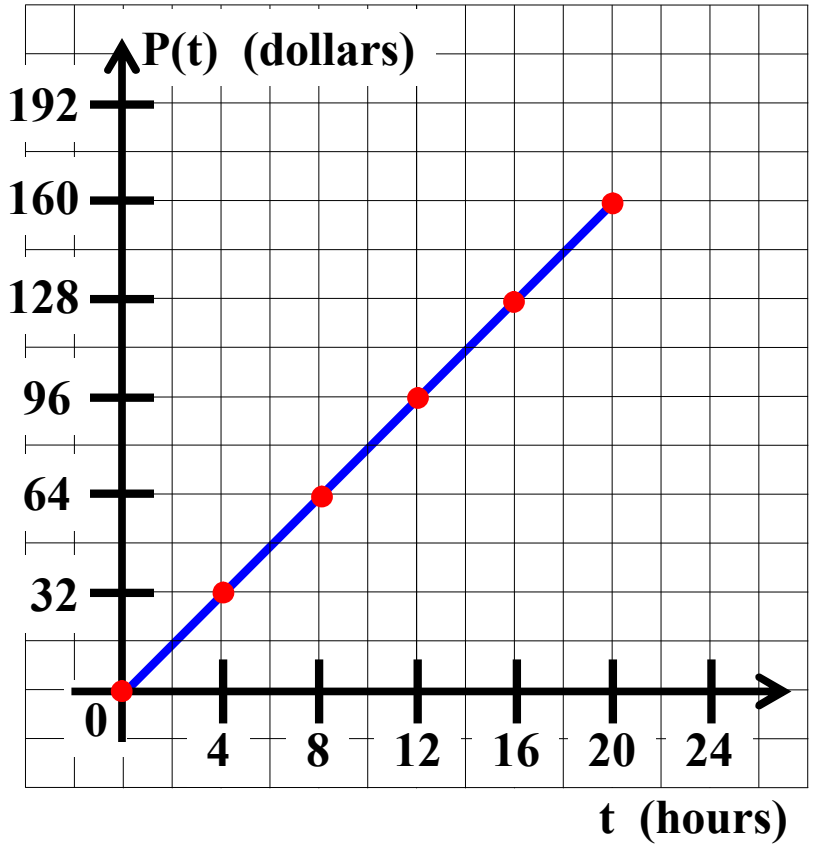

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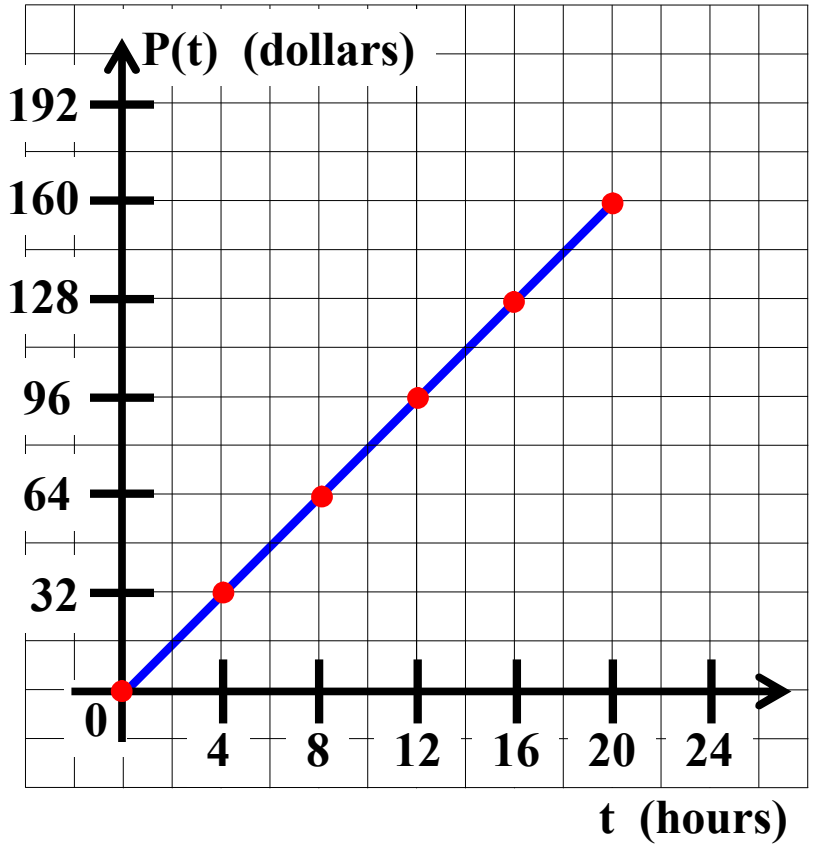

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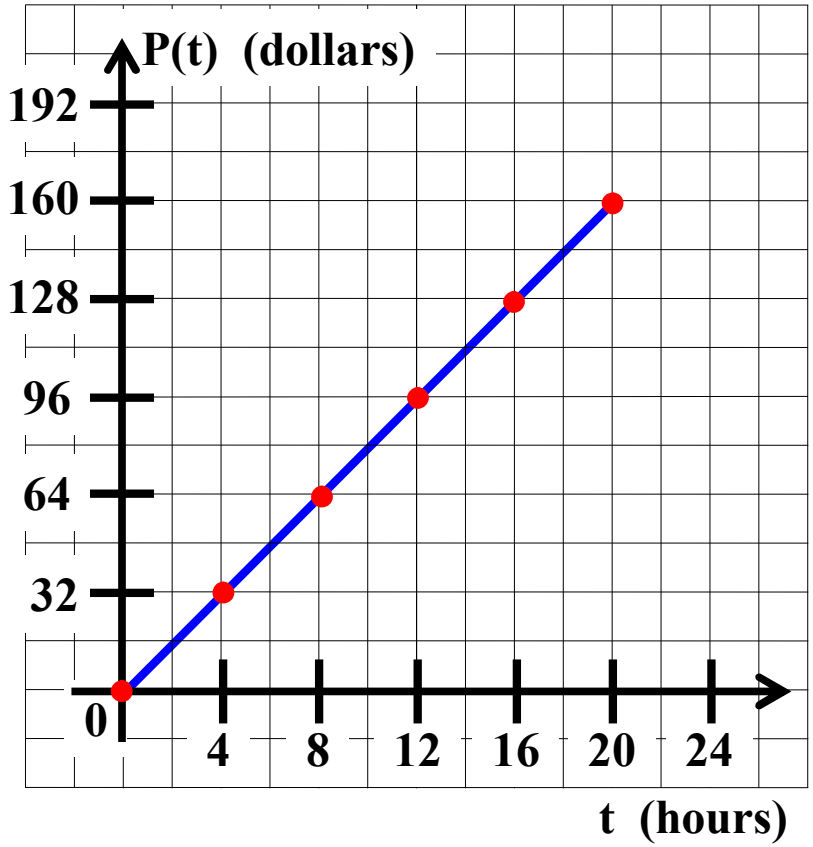

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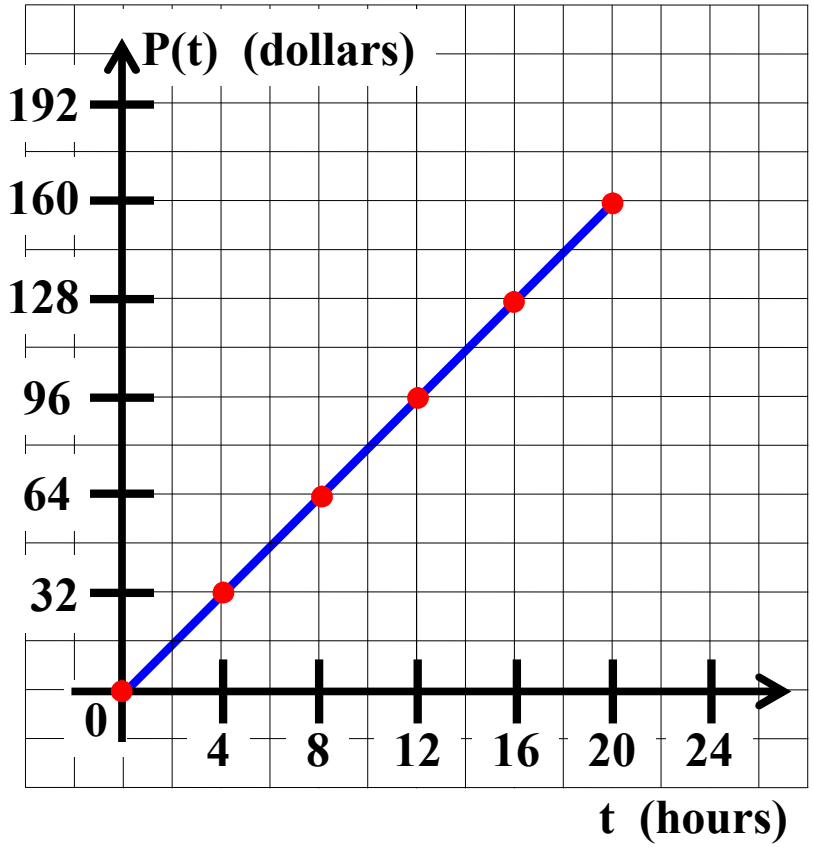

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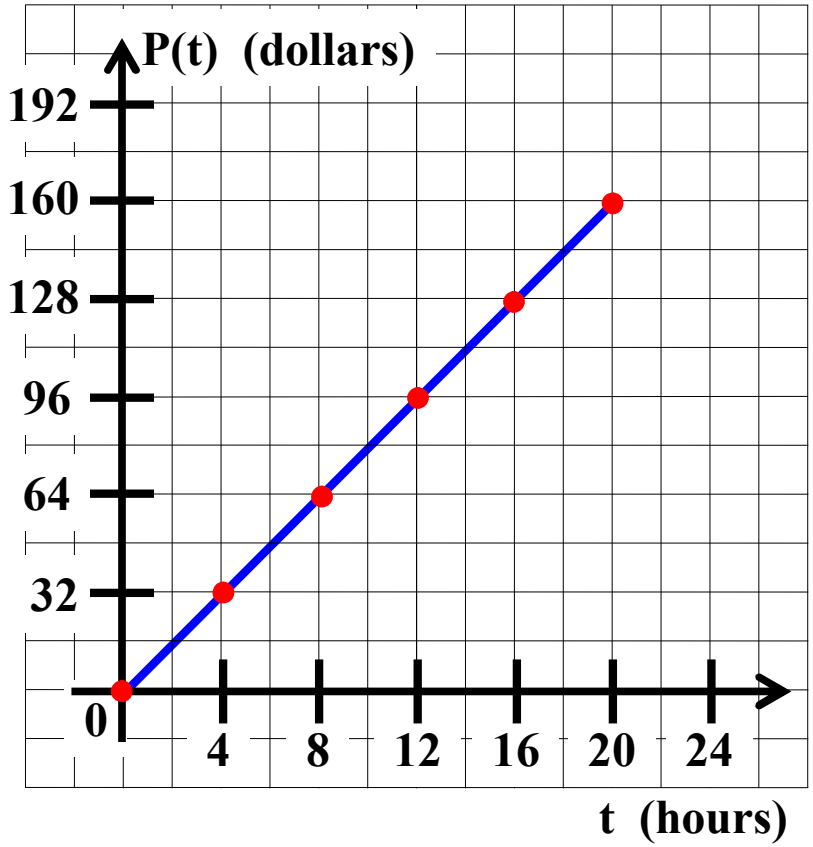

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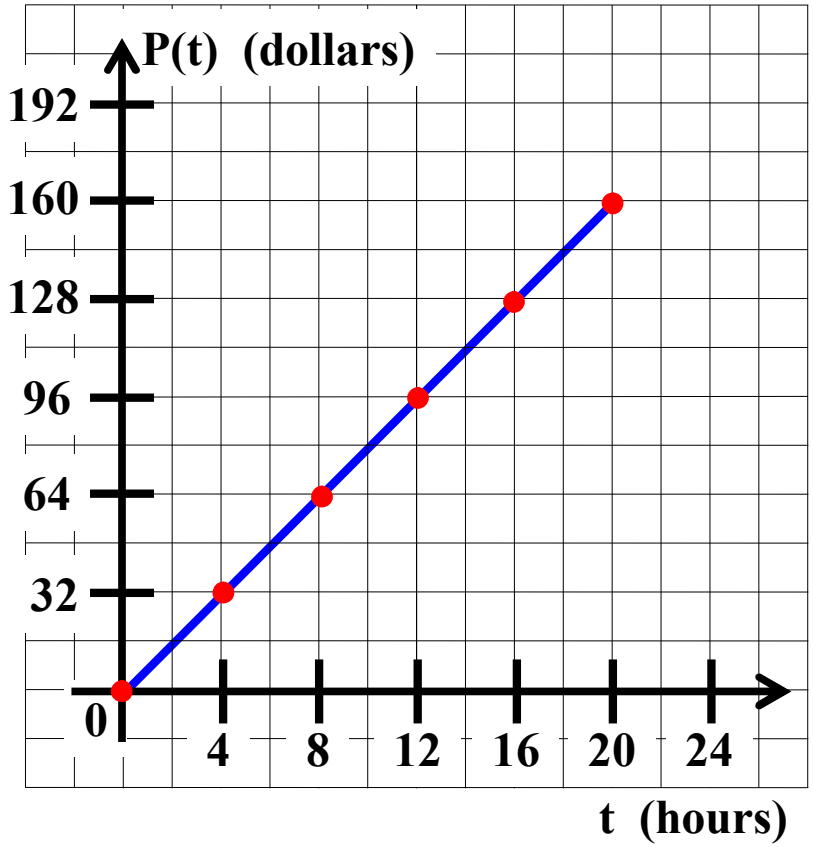

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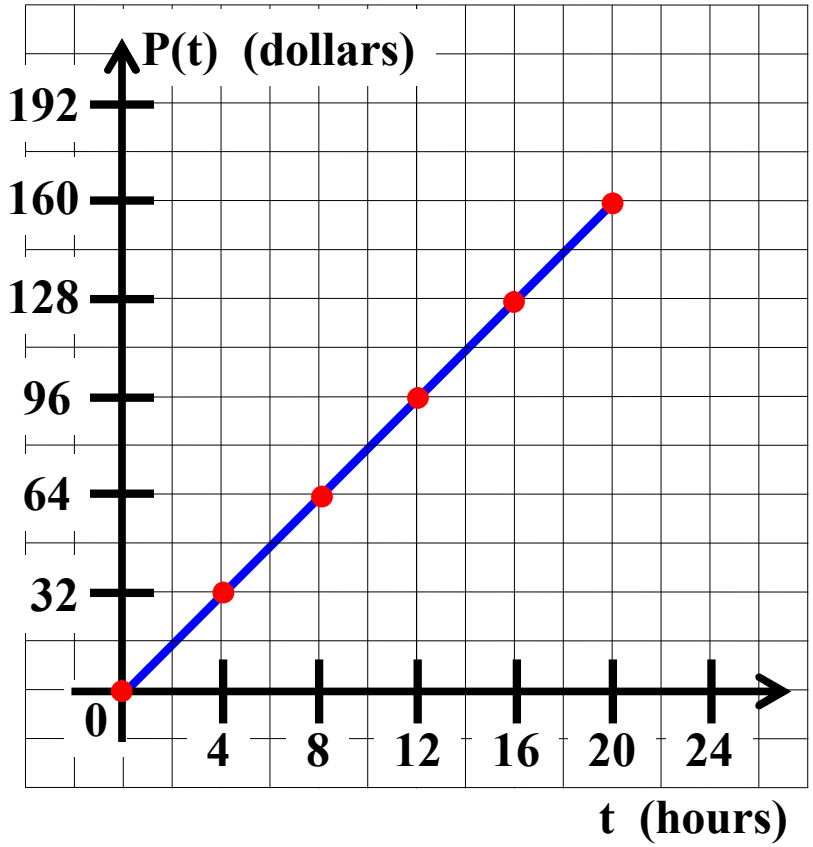

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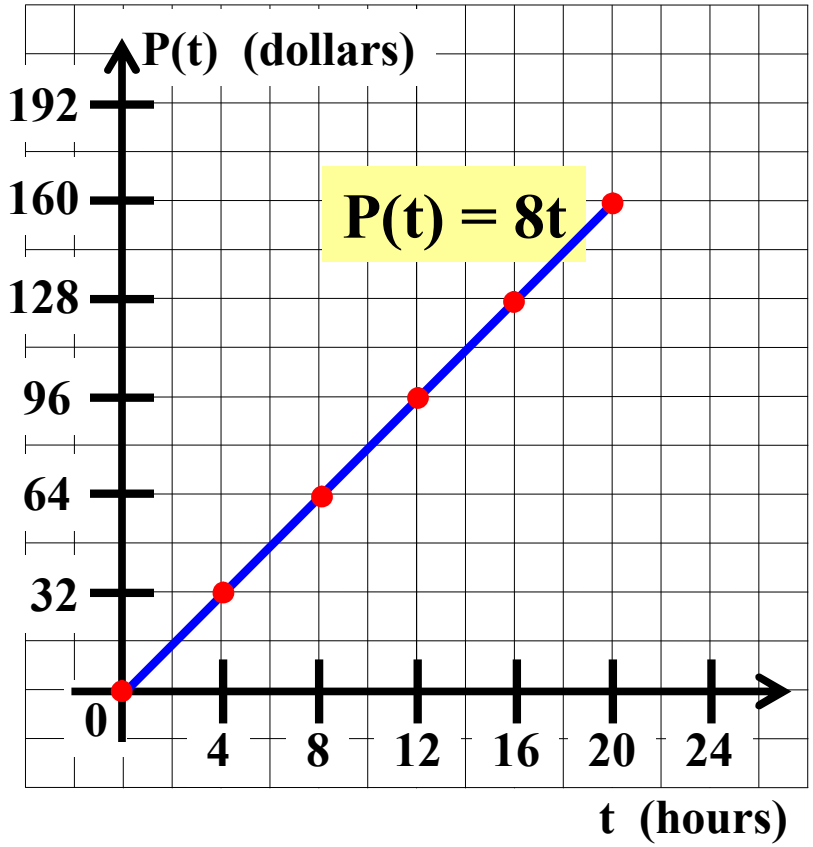

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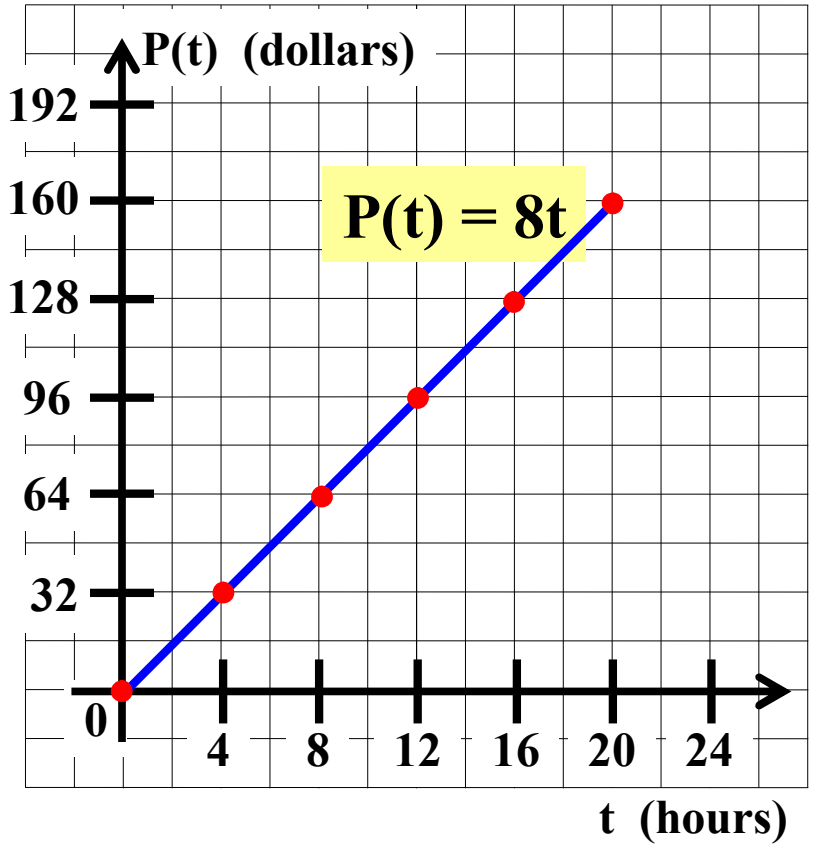

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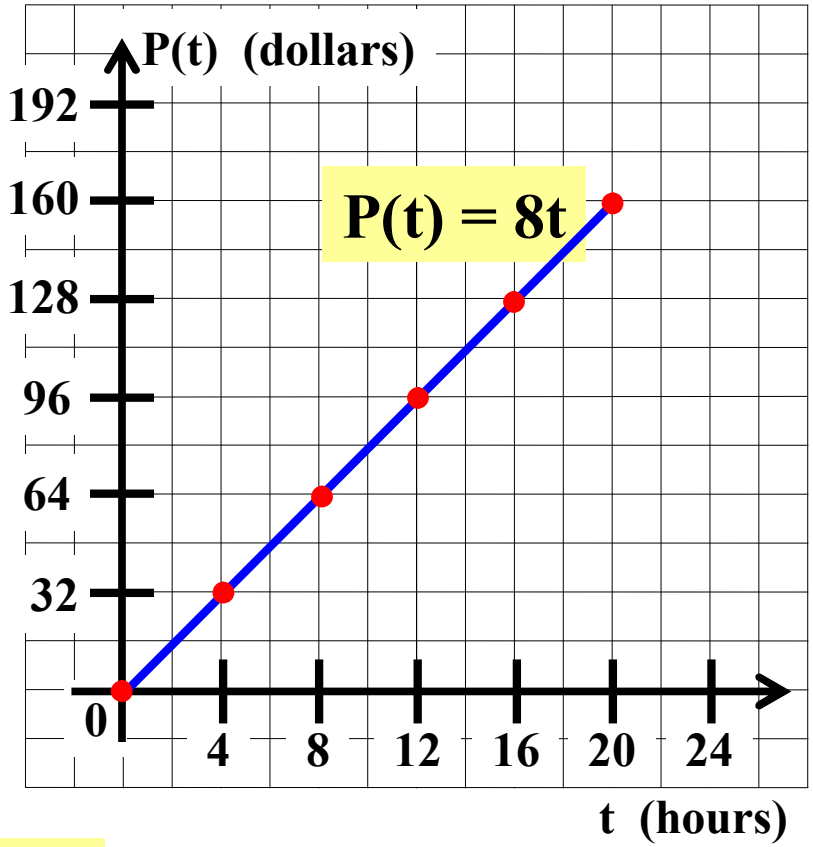

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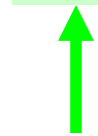

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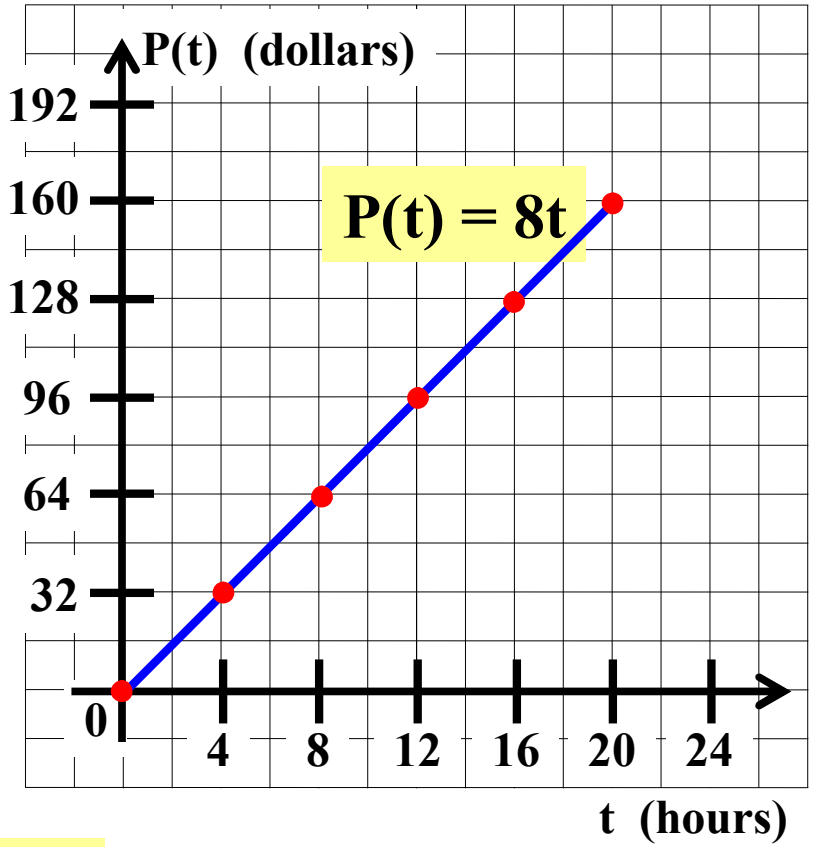

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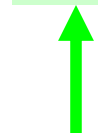

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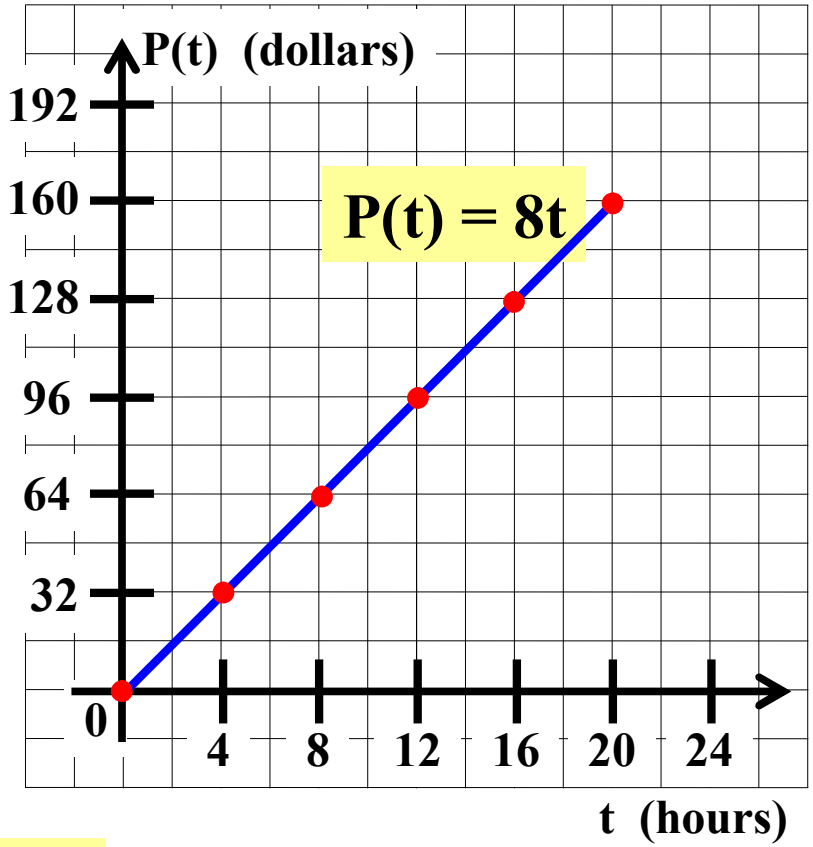

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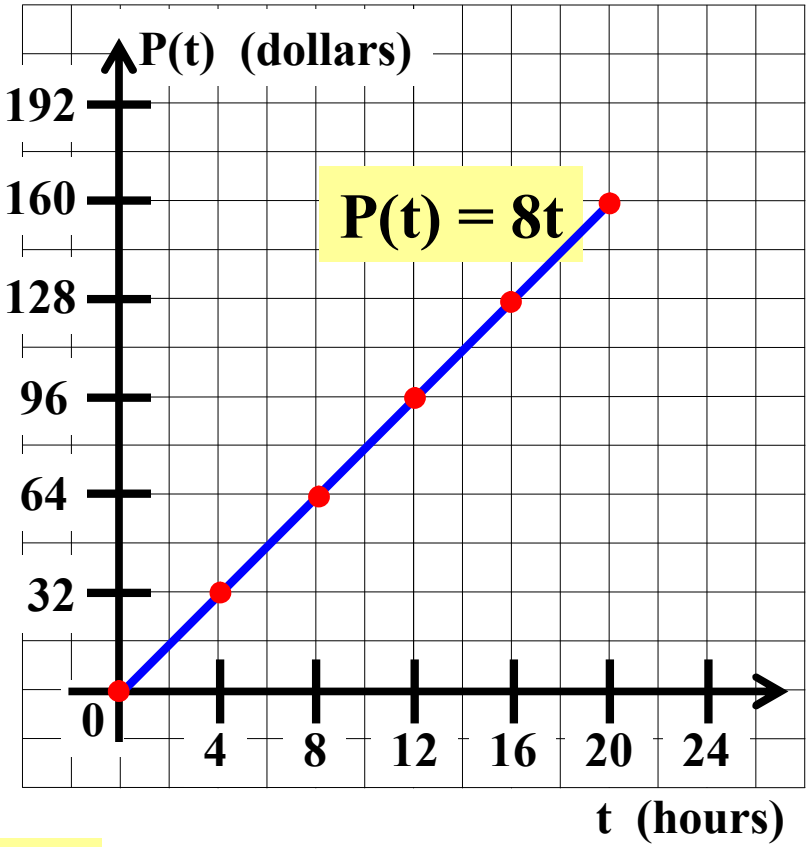

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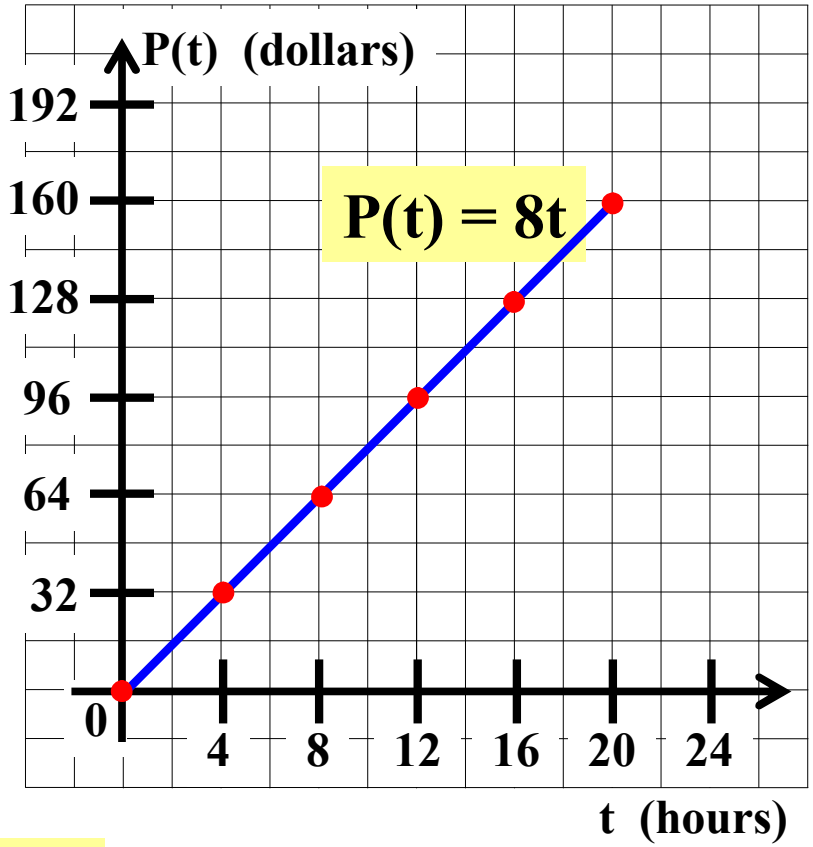

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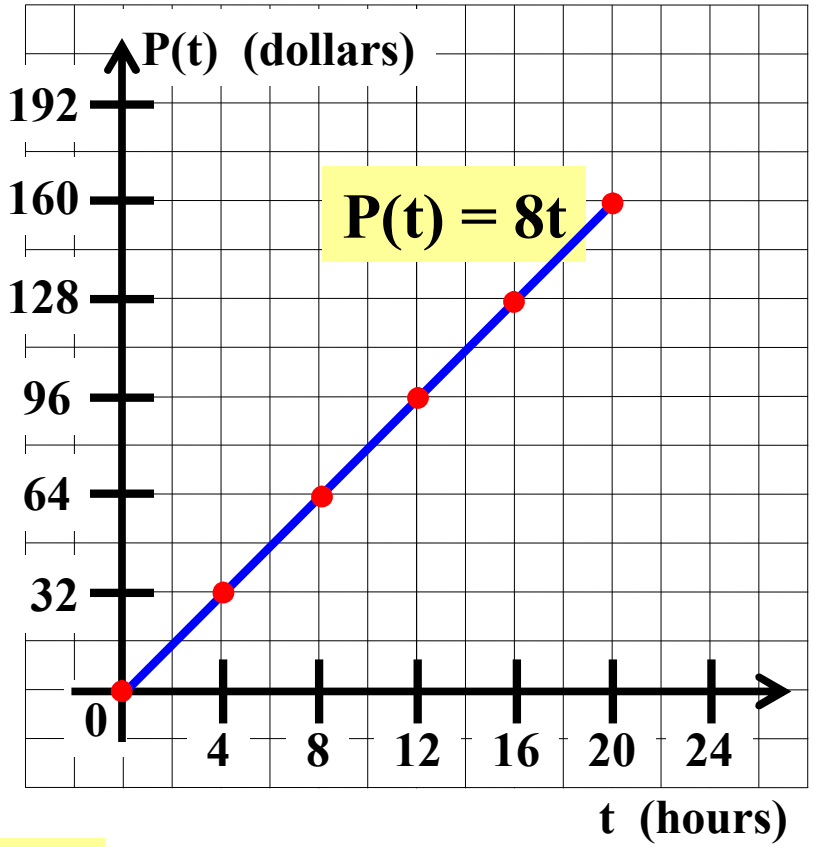

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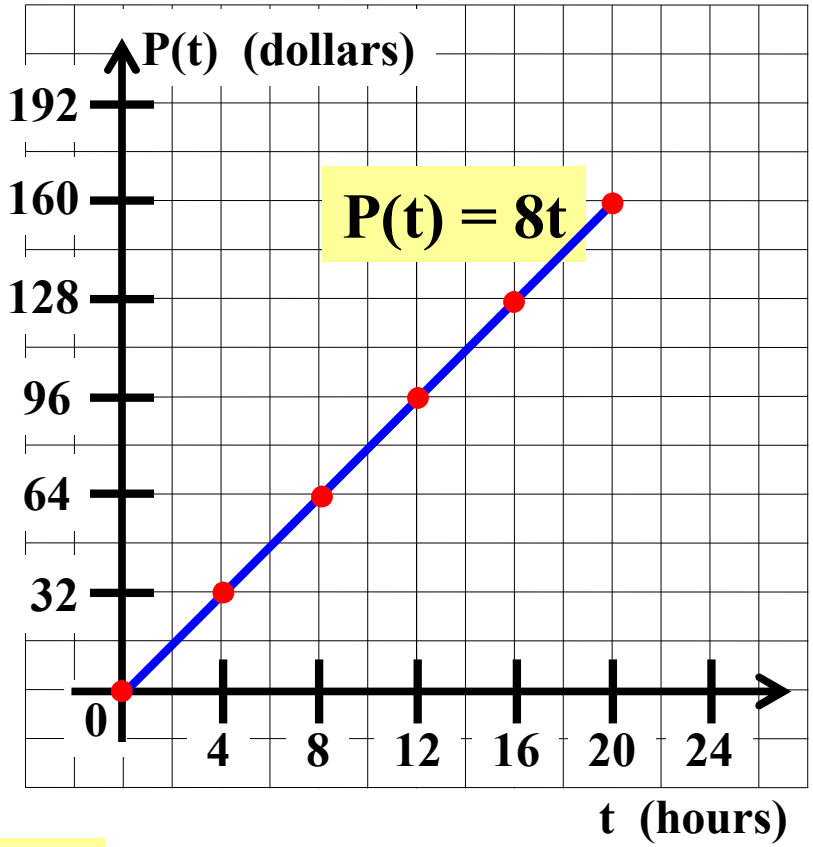

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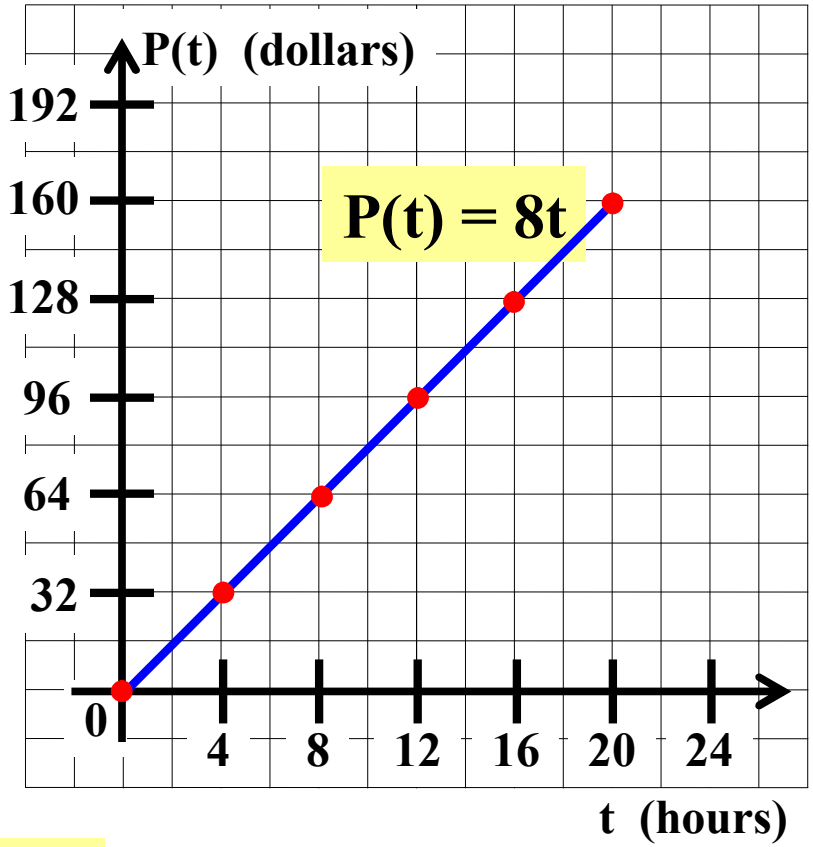

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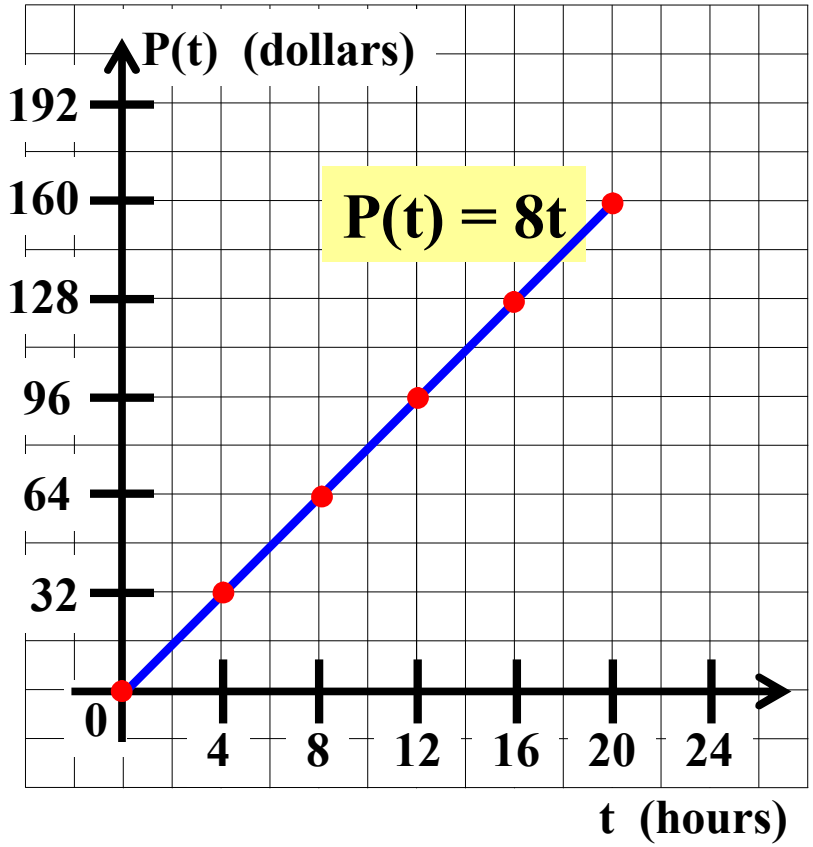

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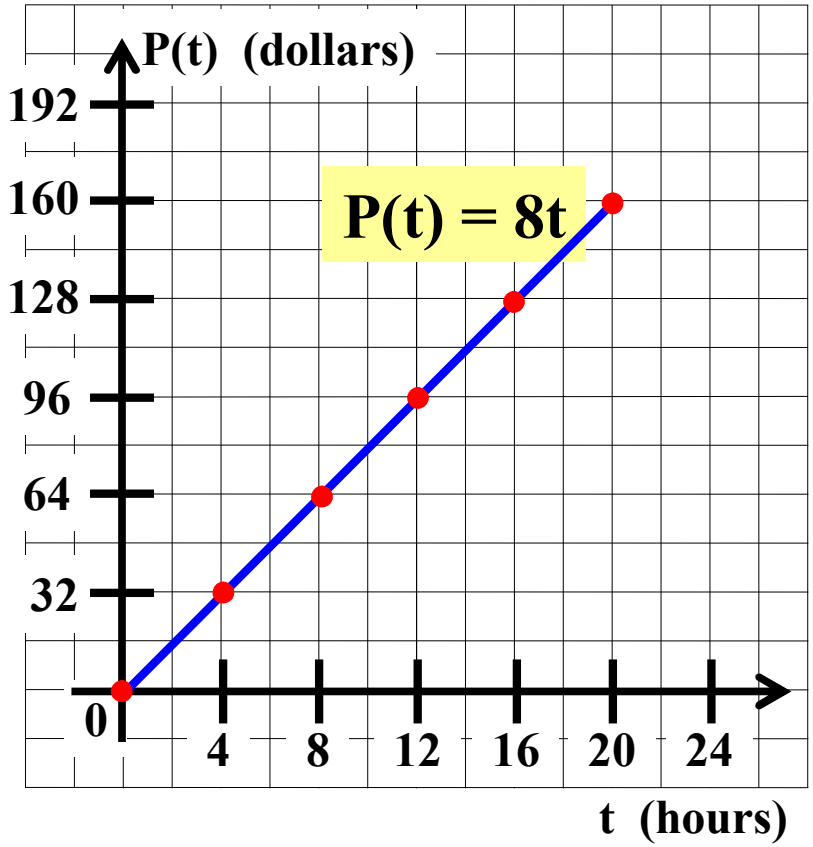

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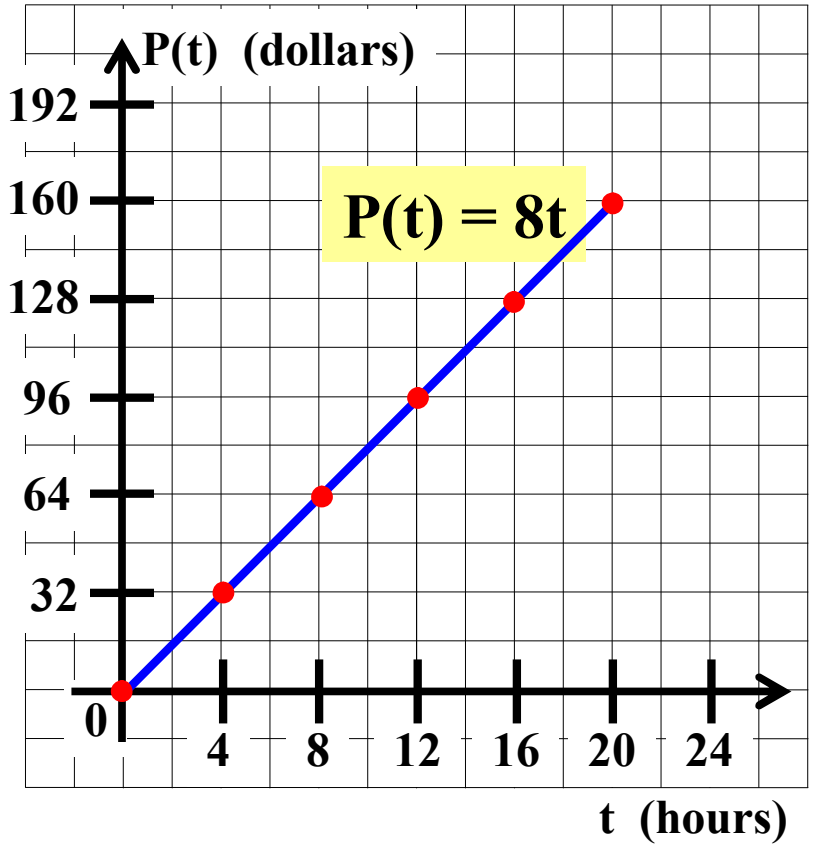

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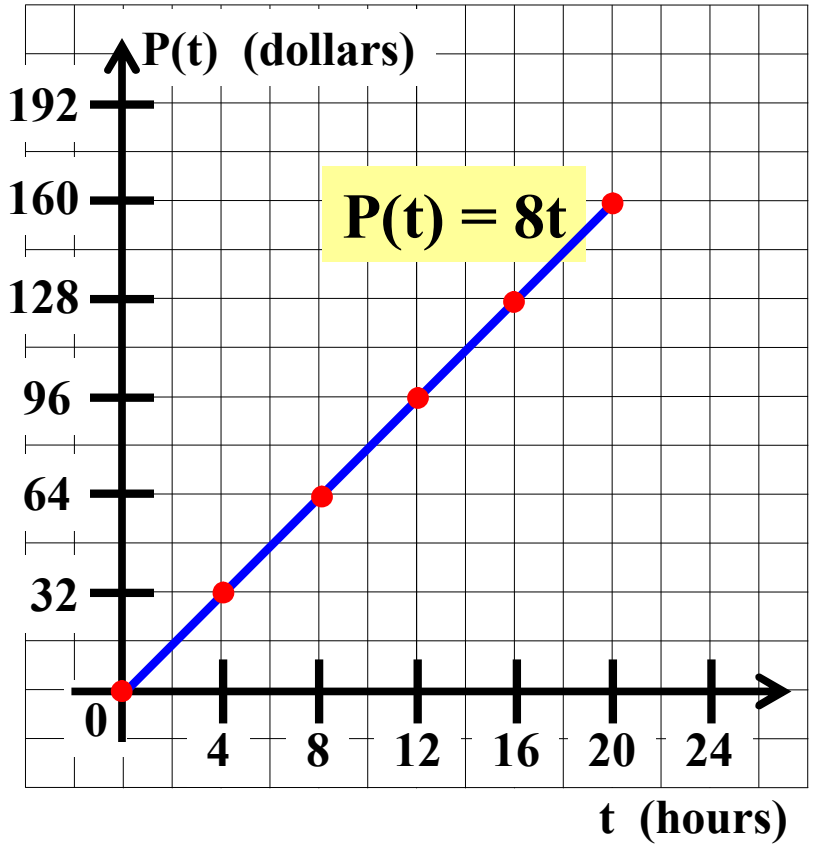

5. What is the range of function P? [_____

General Algebra II CWS #4 Unit 6

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0	0
4	32
8	64
12	96
16	128
20	160

domain

[0 , 20]

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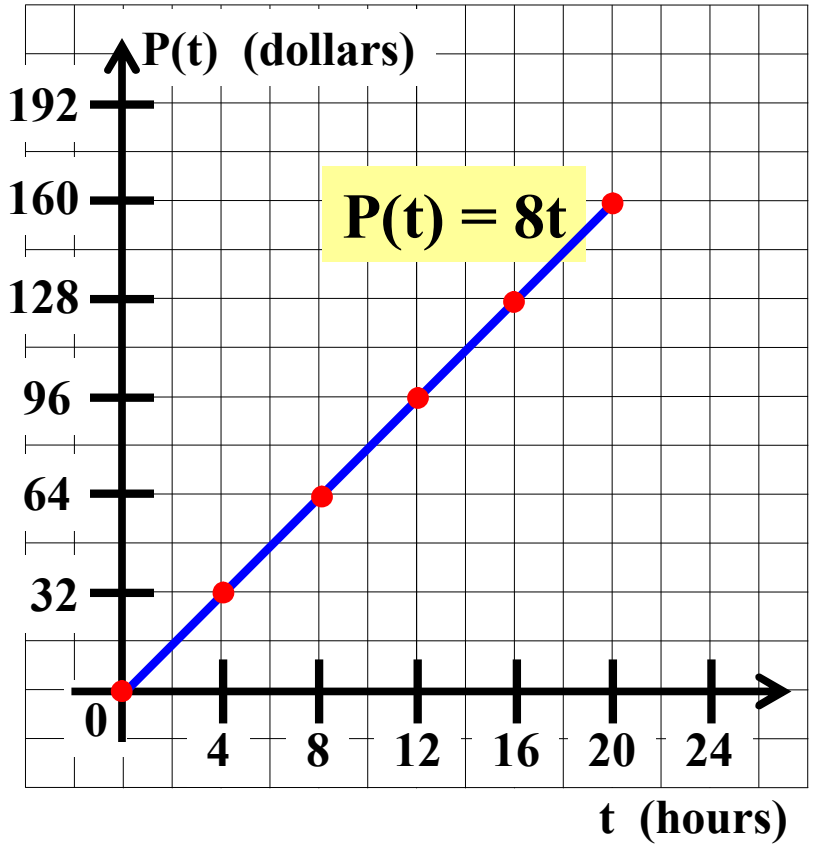

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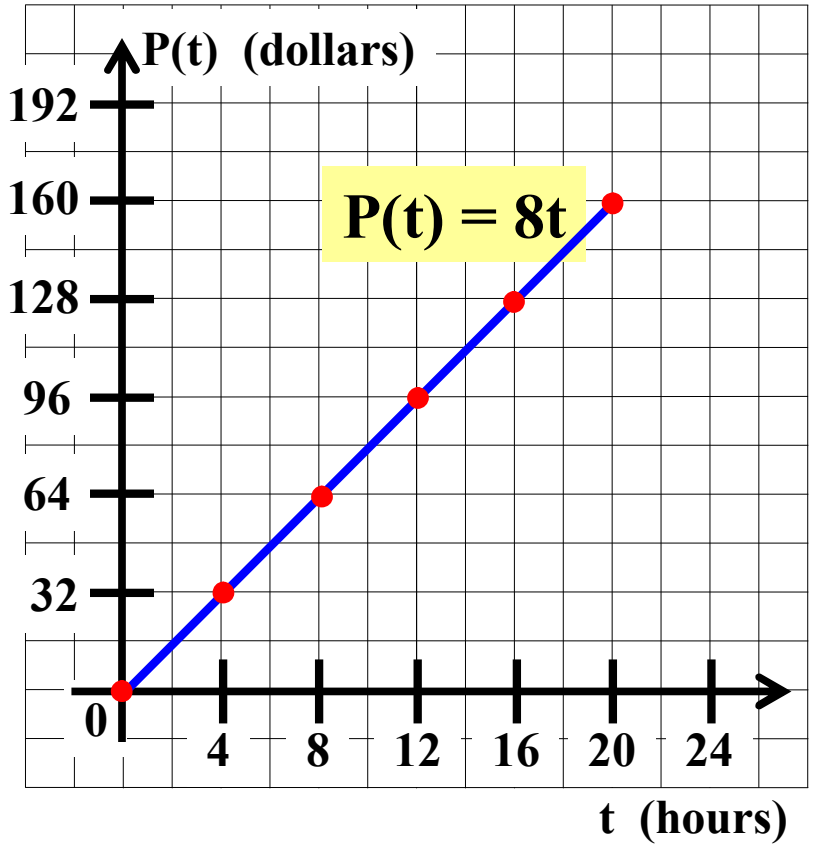

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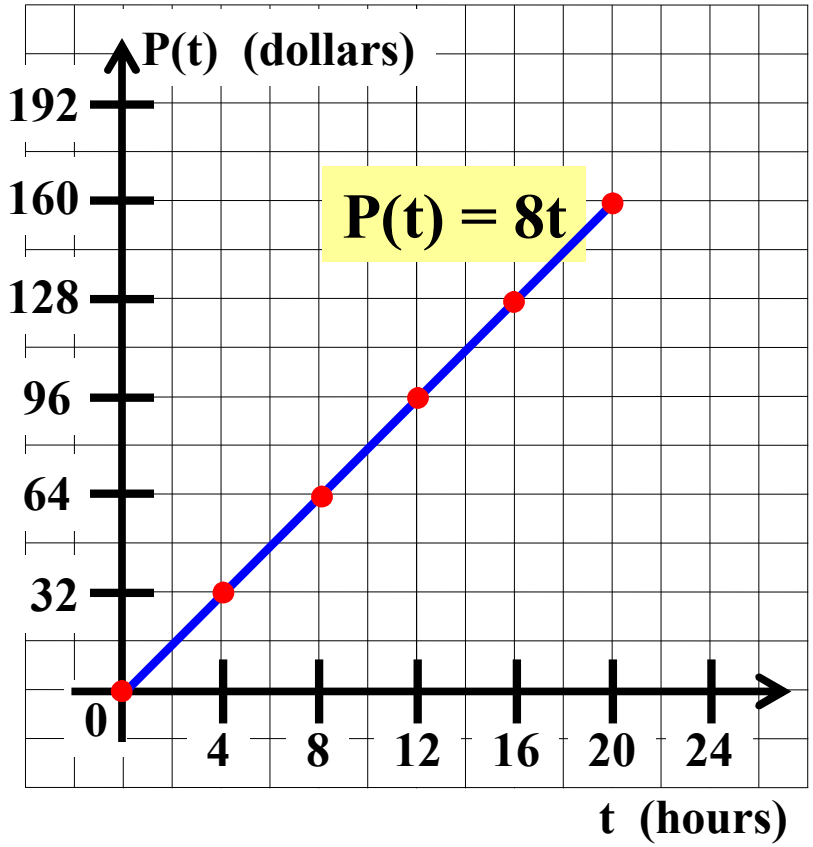

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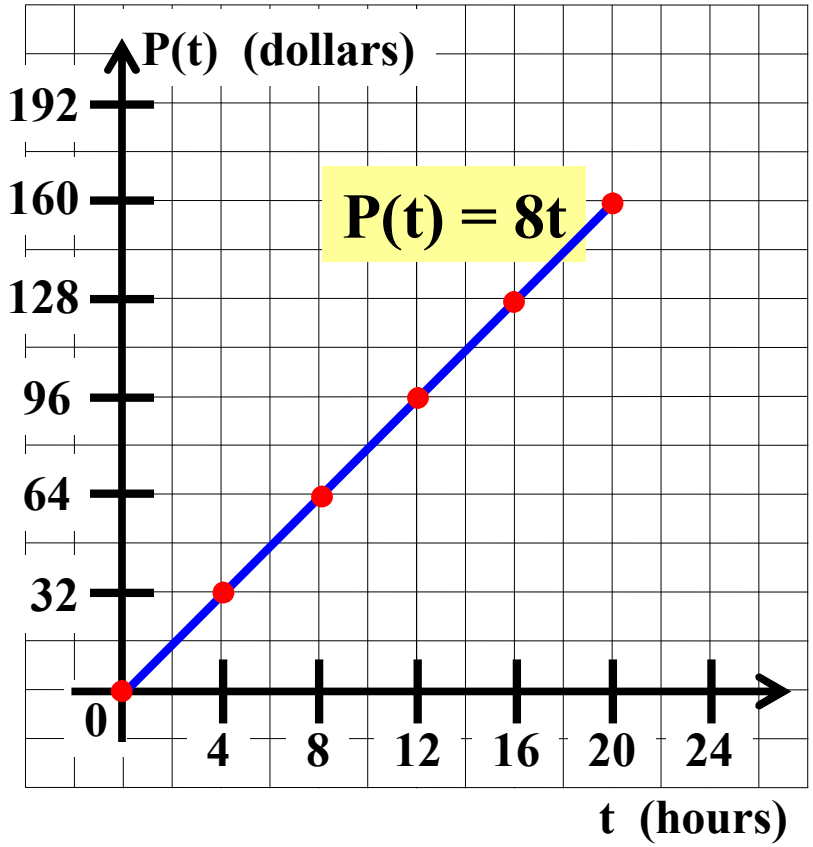

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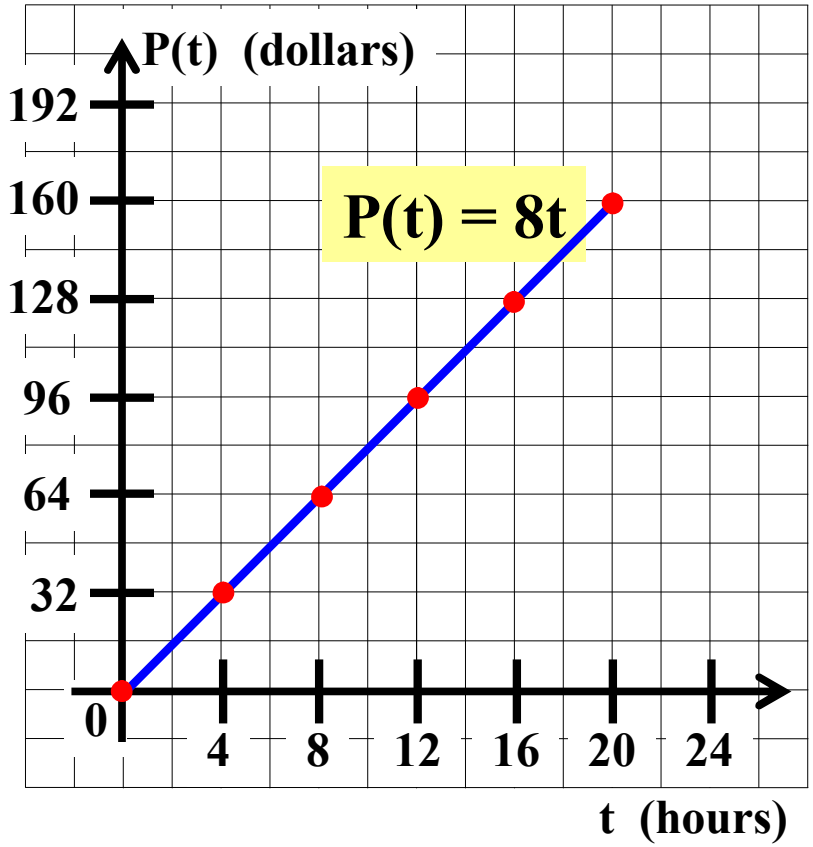

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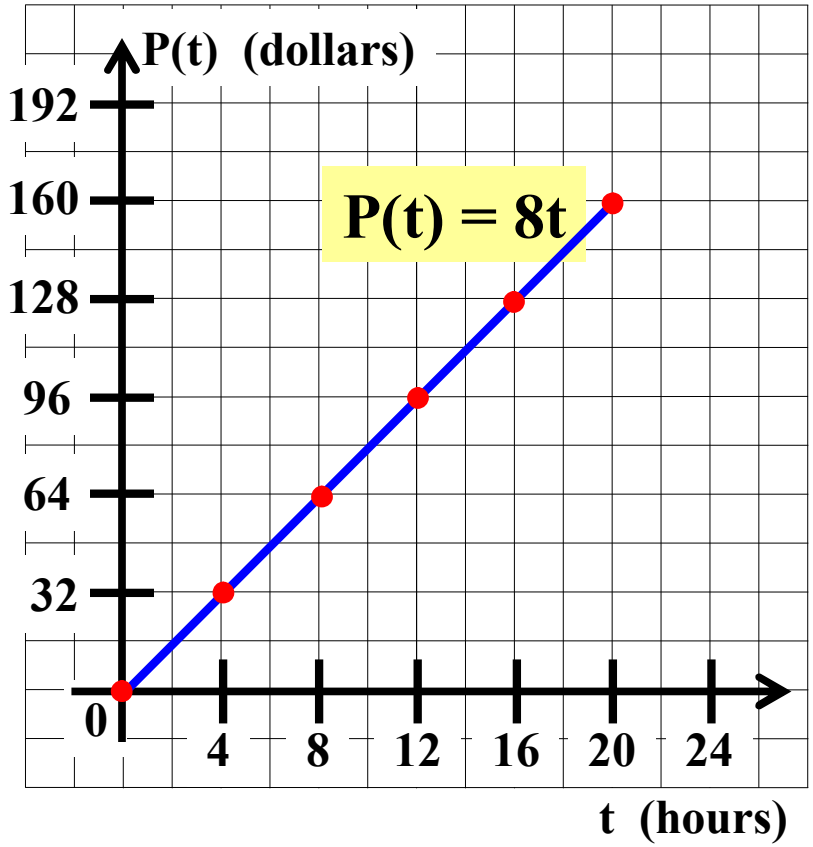

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6. Evaluate P(8).

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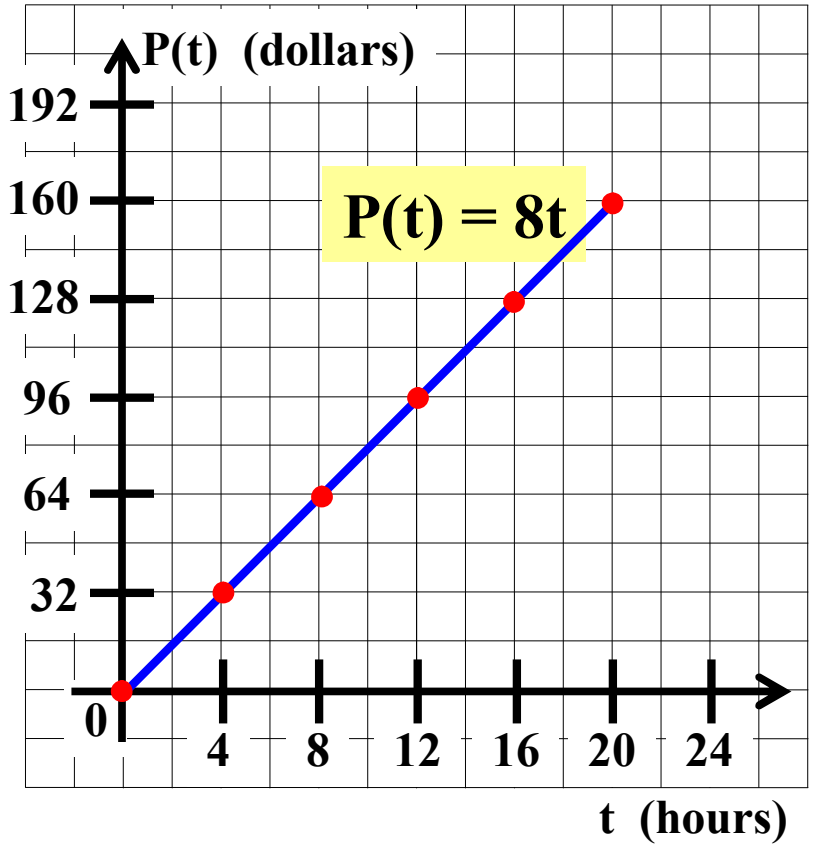

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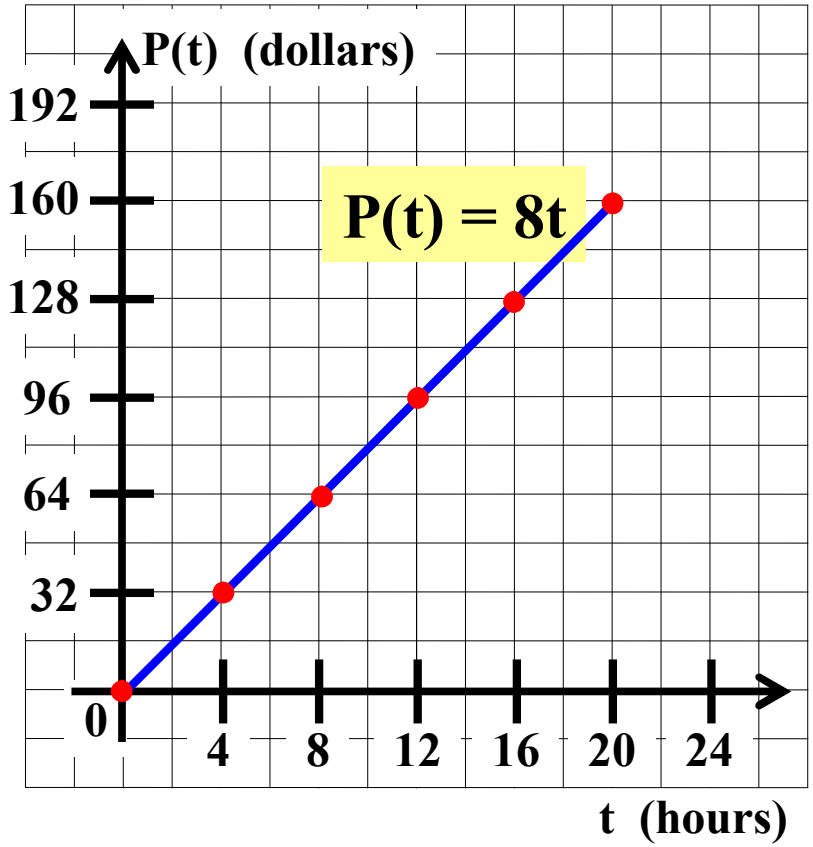

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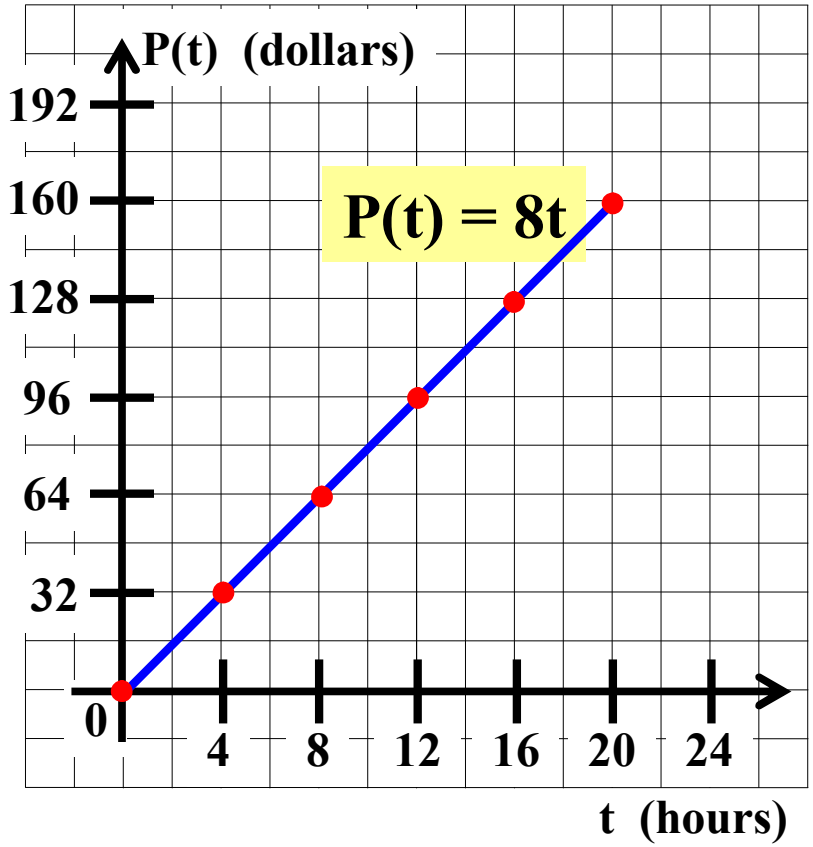

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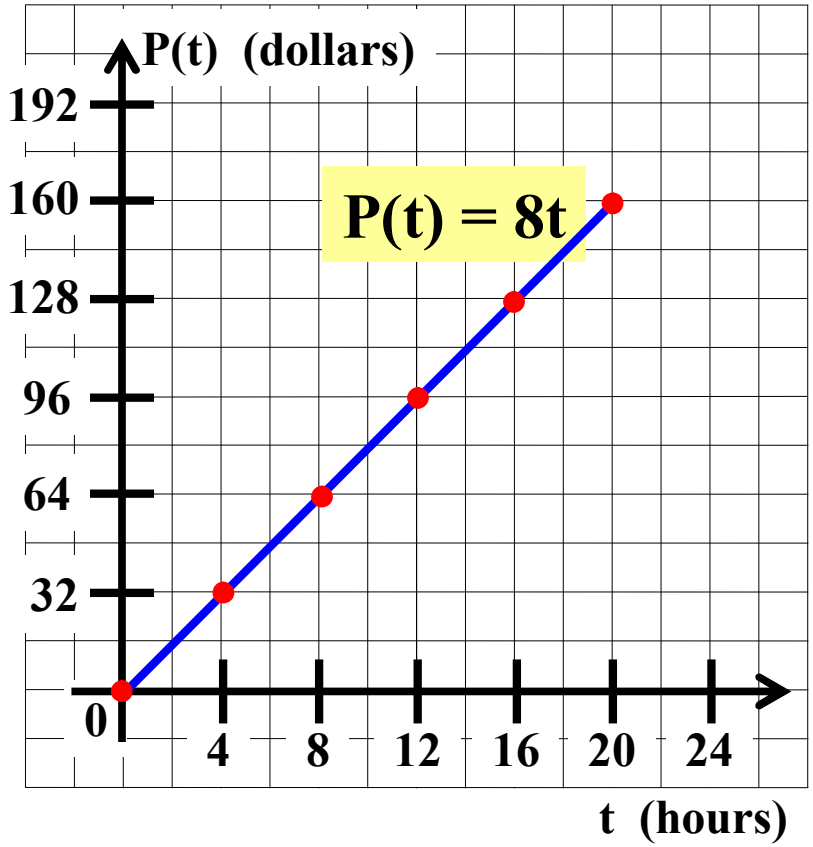

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P(8) =

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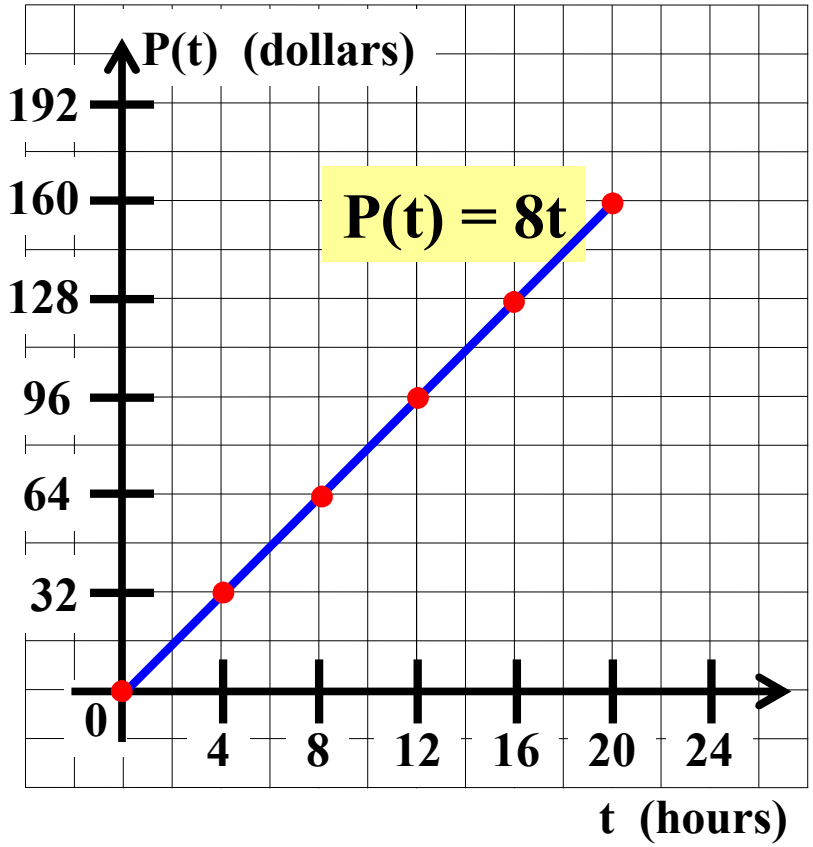

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General Algebra II CWS #4 Unit 6

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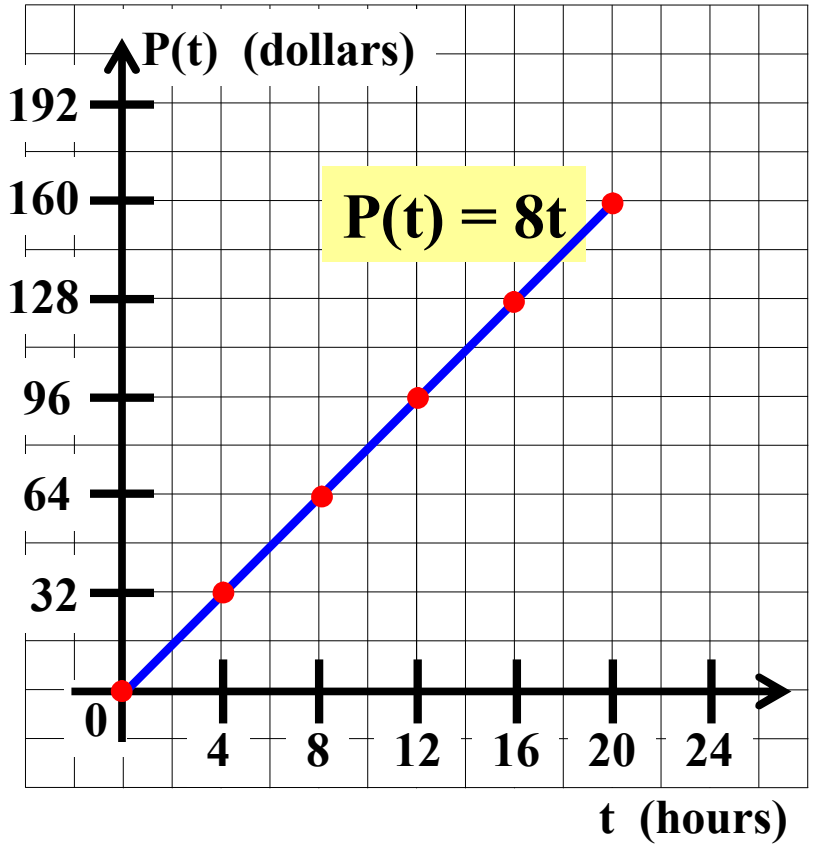

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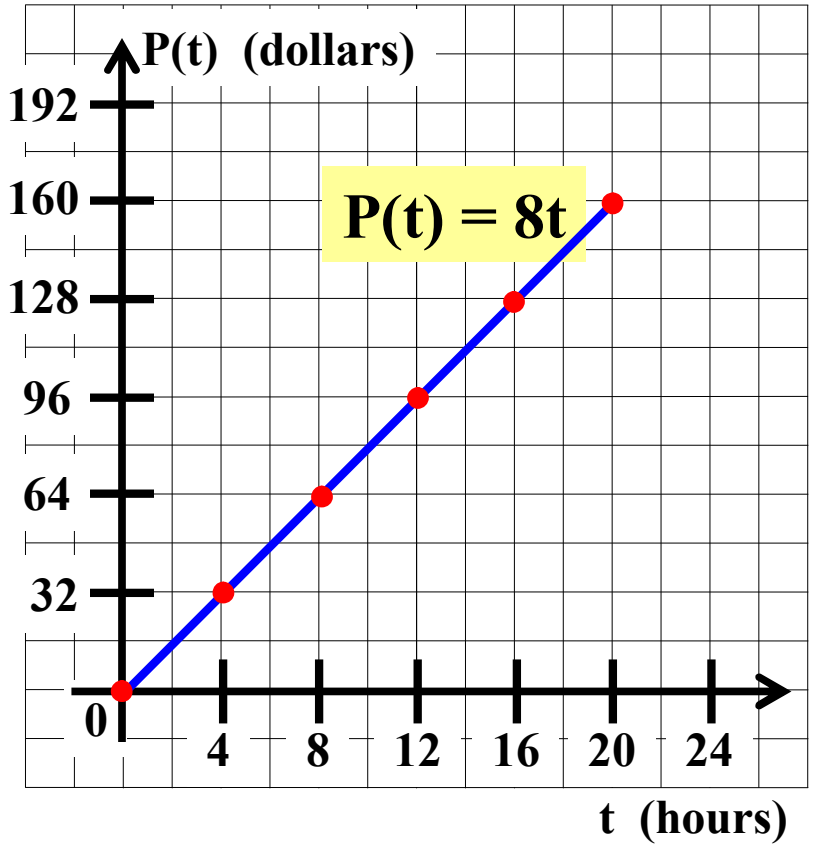

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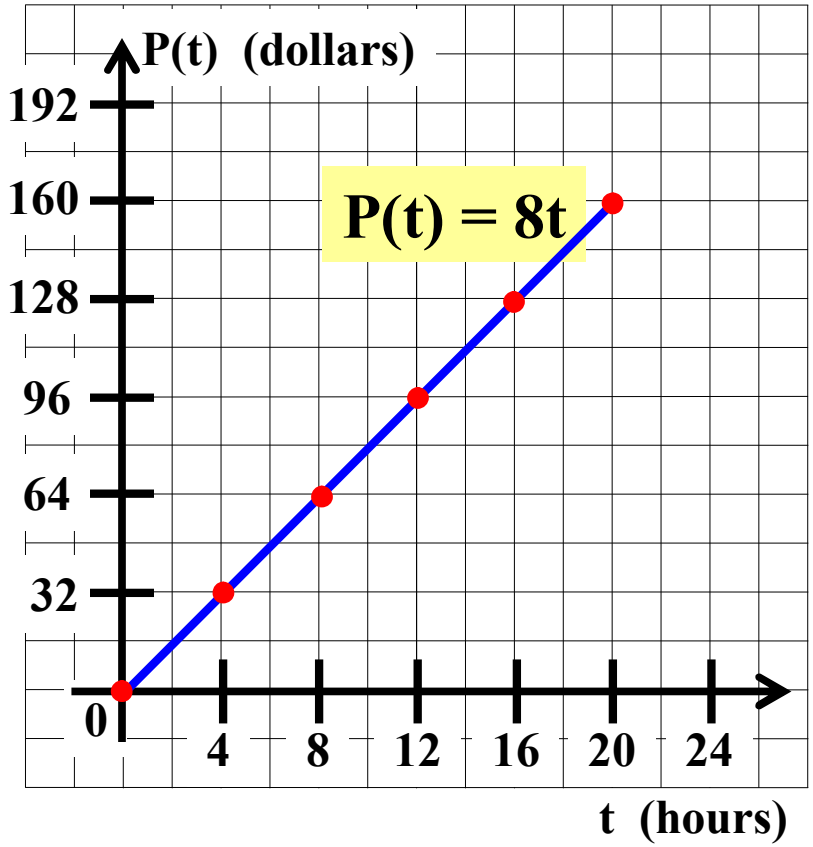

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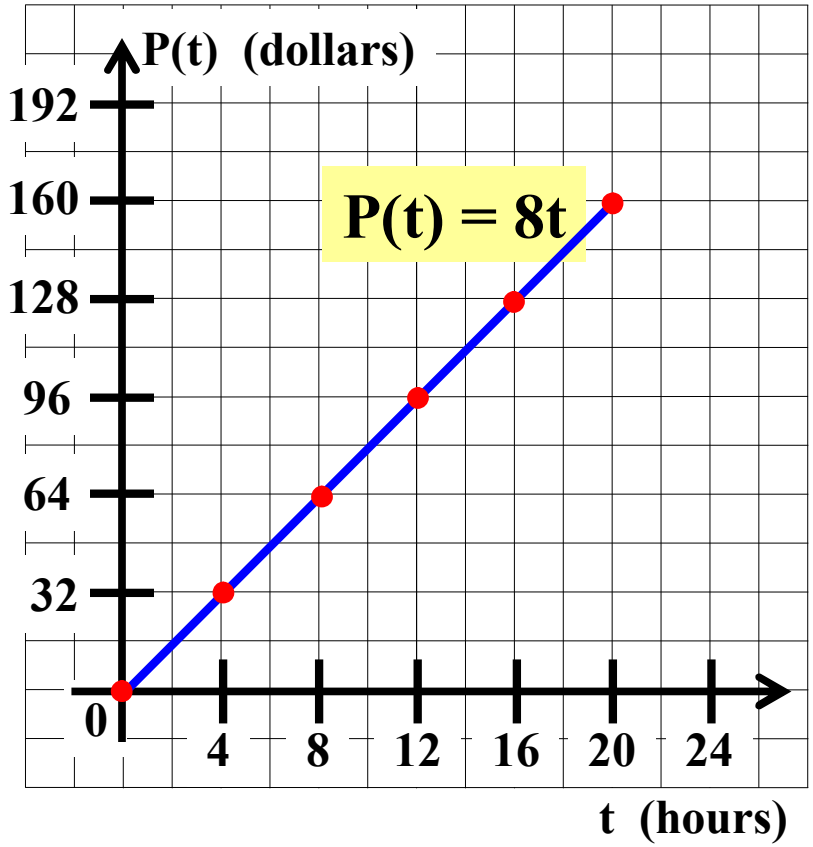

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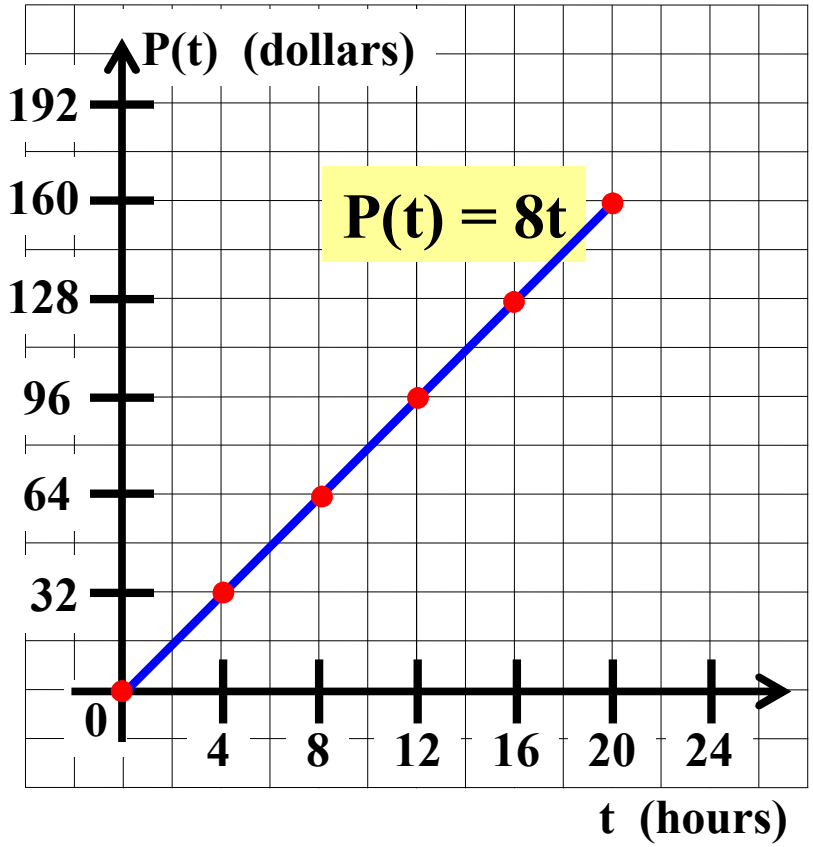

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P(8) represents Tom's total pay

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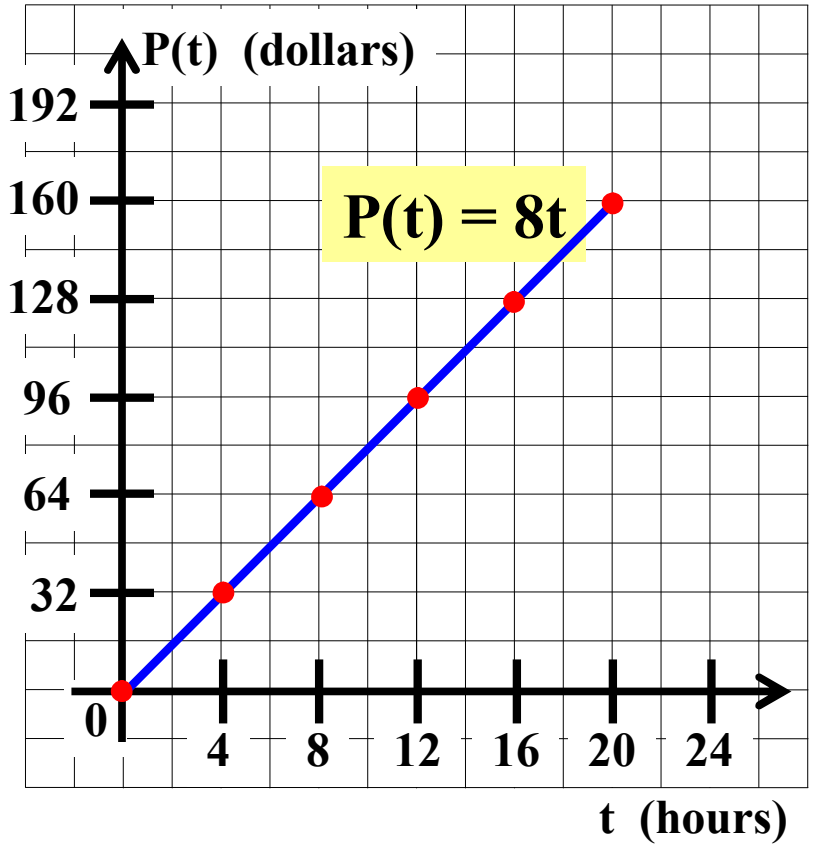

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P(8) represents Tom's total pay for working 8 hours.

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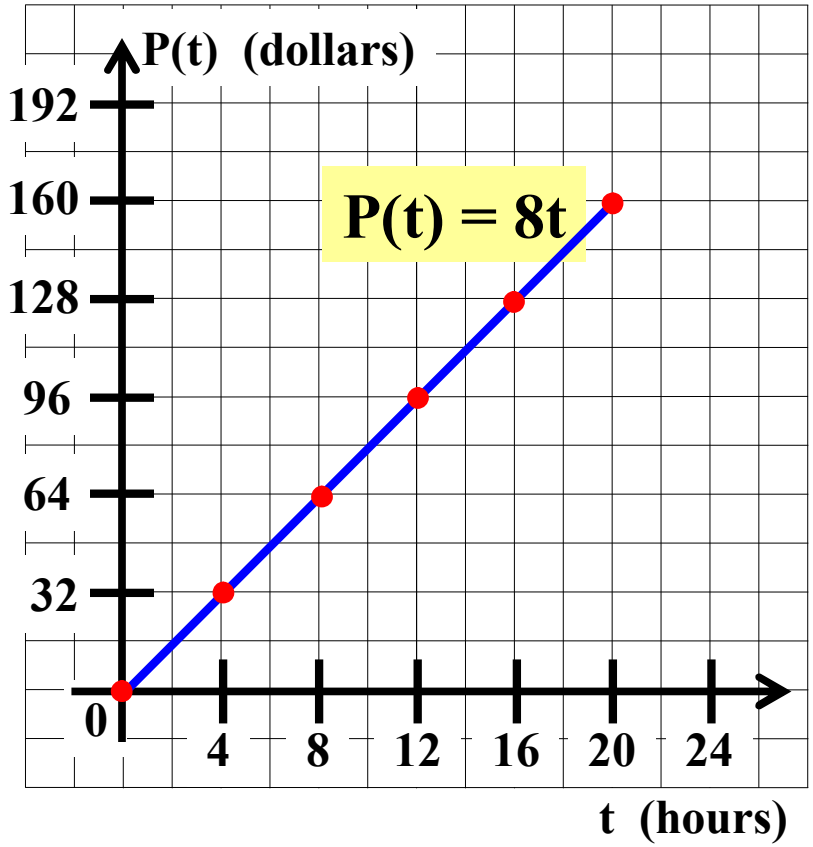

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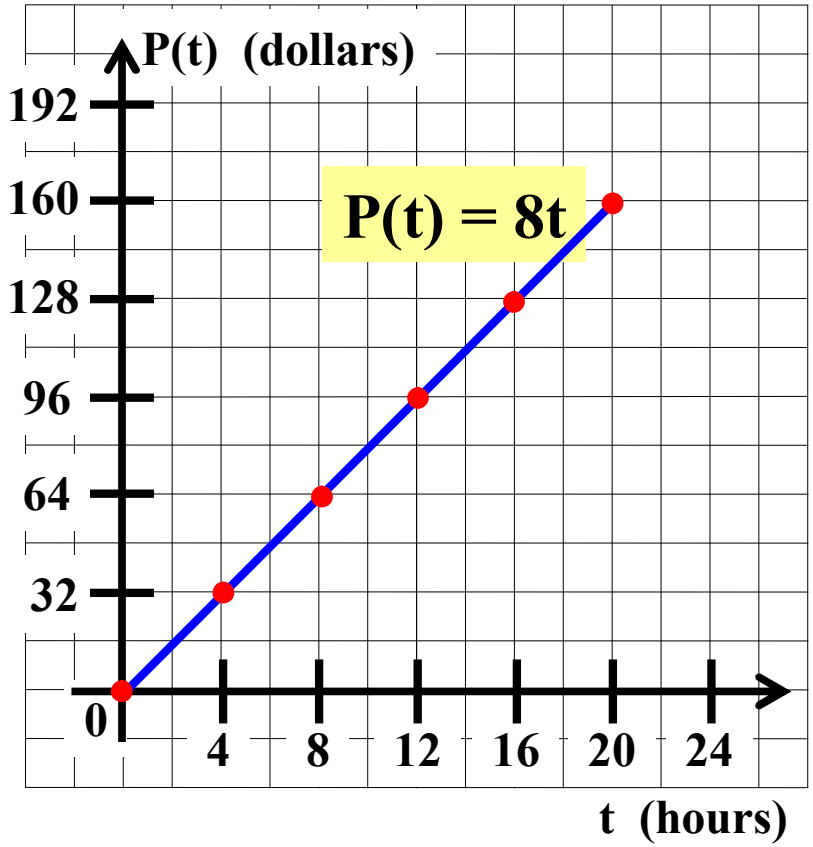

7. If P(t) = 28, then find the value of t.

General Algebra II CWS #4 Unit 6

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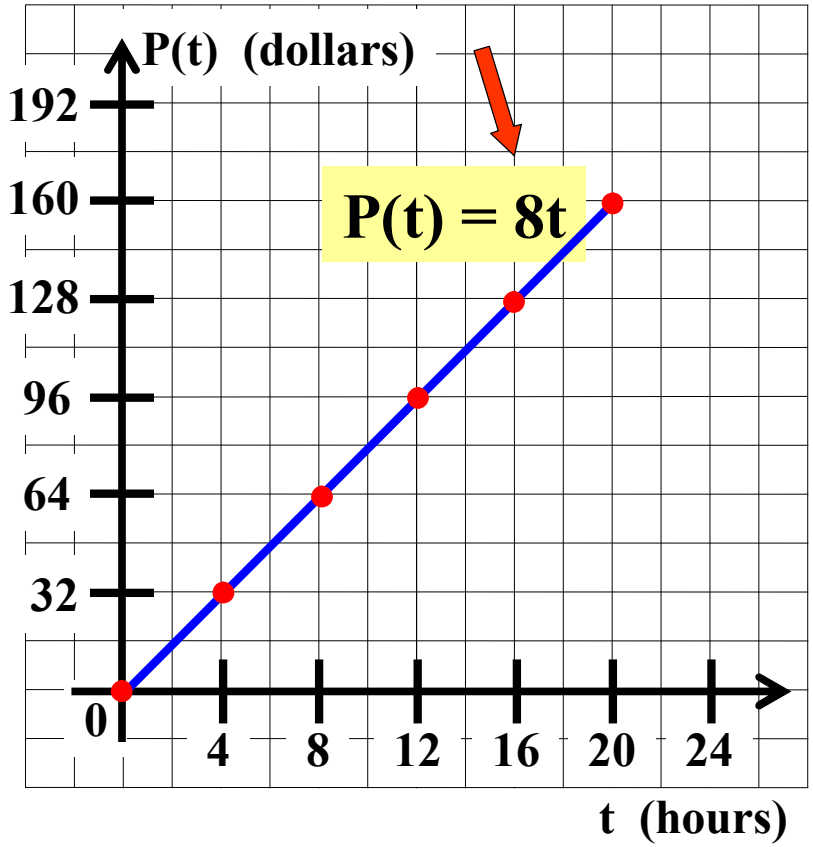

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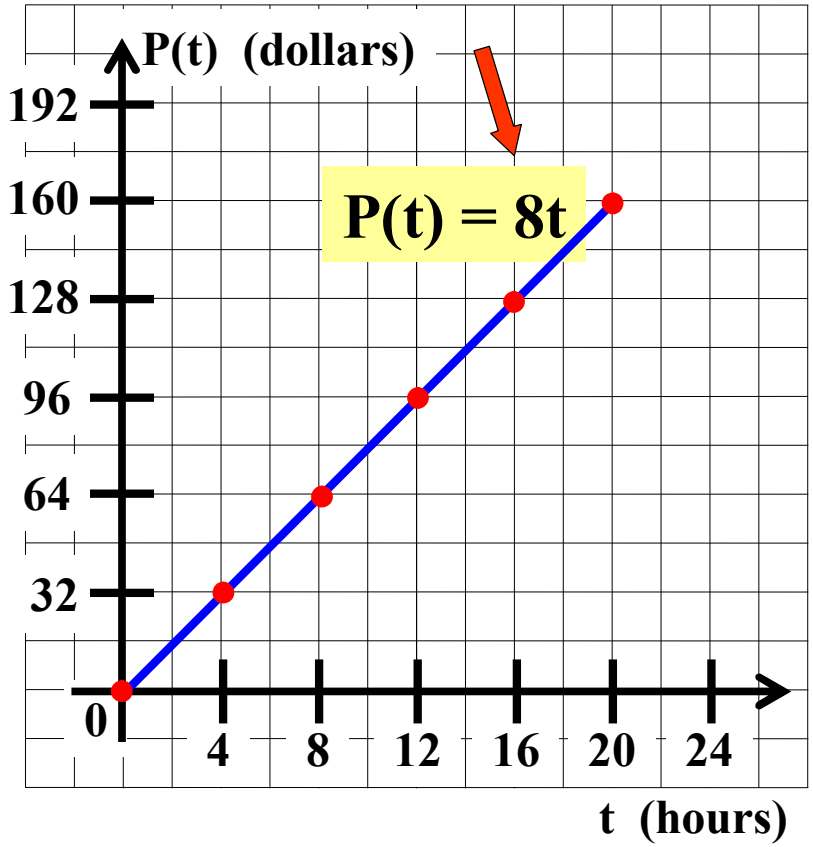

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8t =

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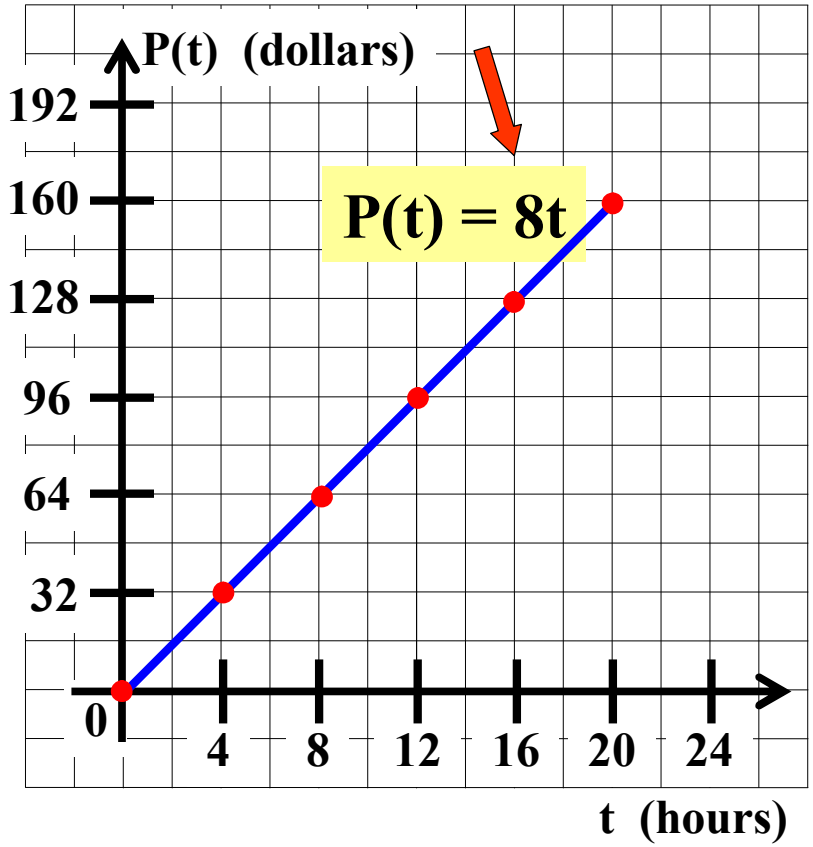

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$8t = 28$

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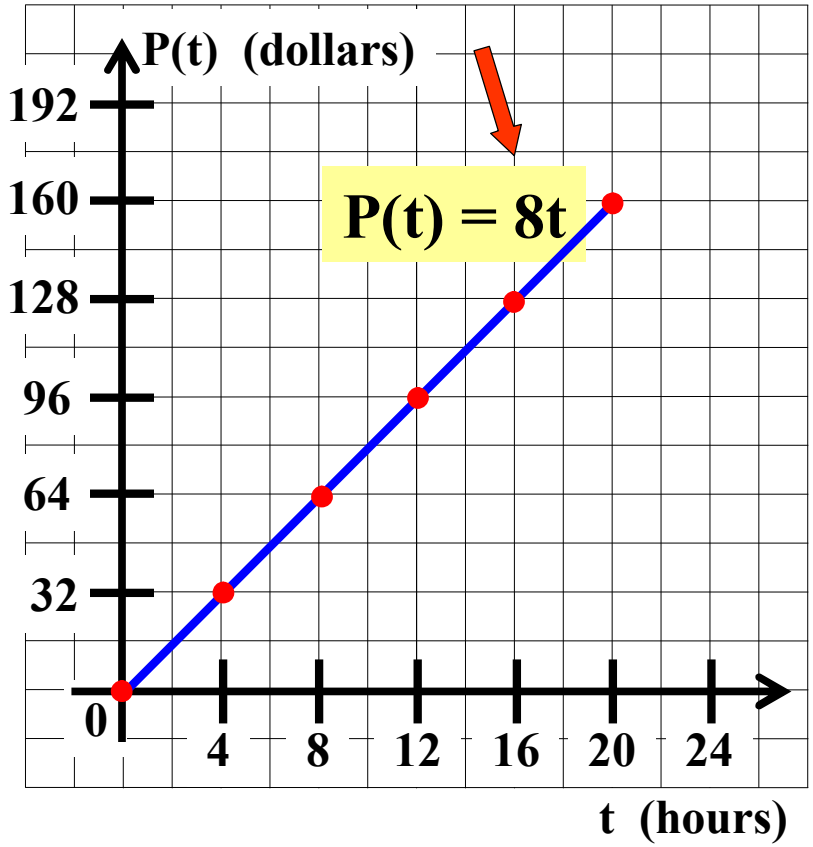

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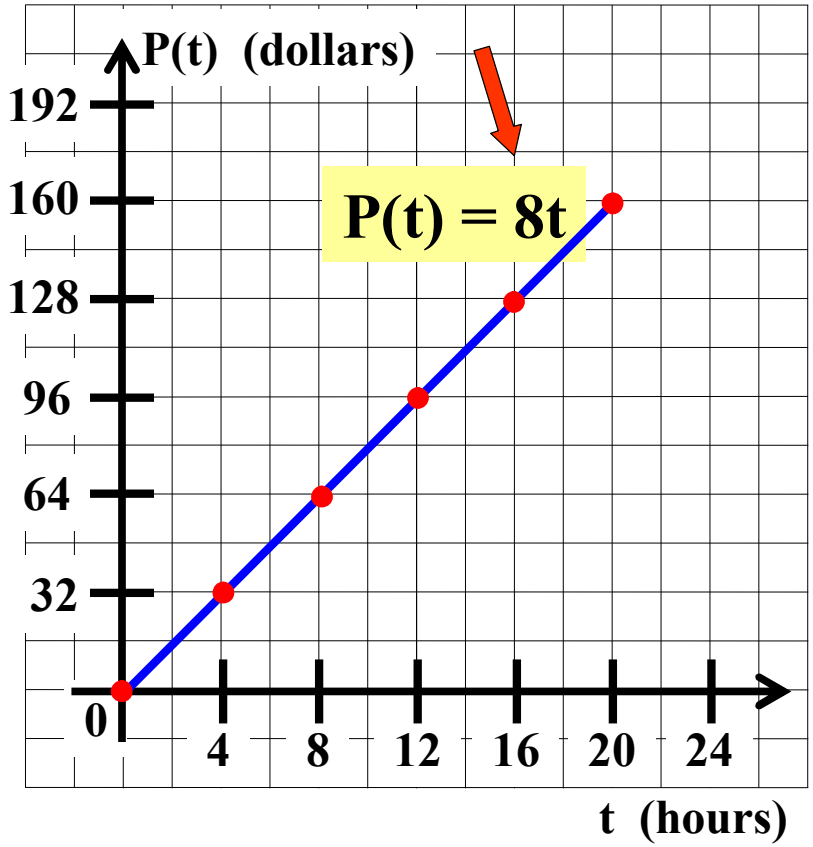

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8t = 28 ⟶ t =

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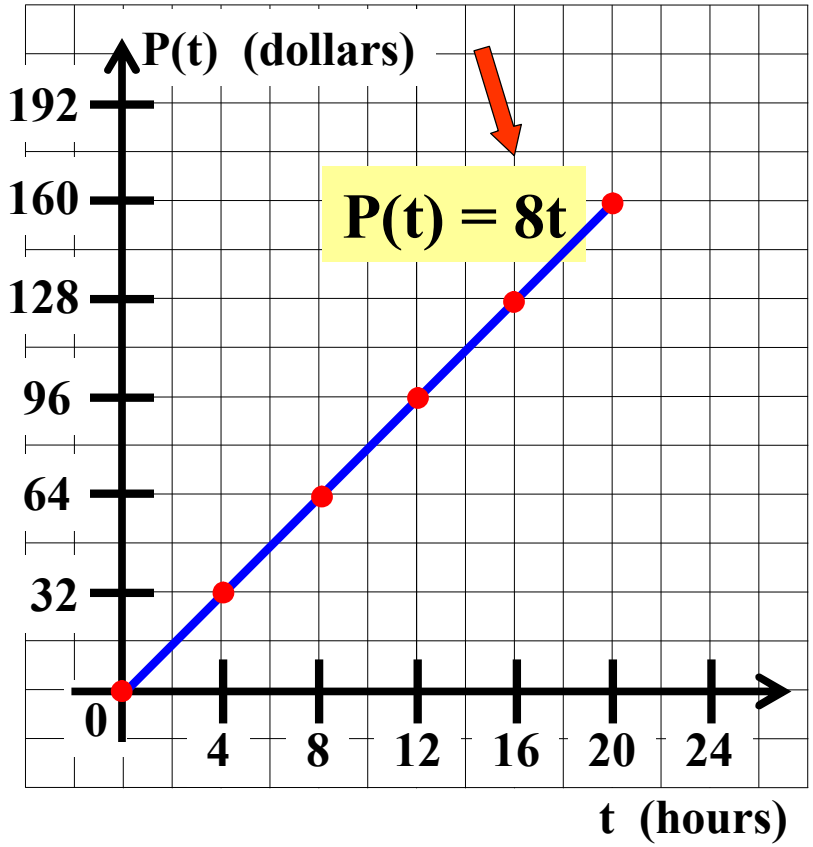

7. If P(t) = 28, then find the value of t.

$8t = 28 \longrightarrow t = 3.5$

General Algebra II CWS #4 Unit 6

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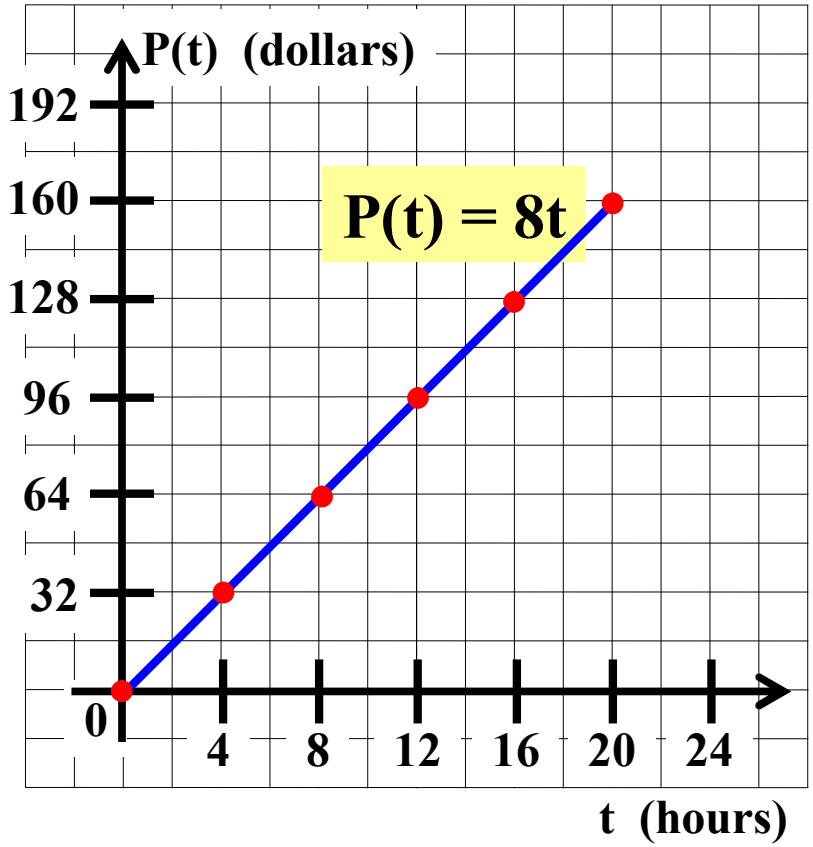

7. If P(t) = 28, then find the value of t.

8t = 28 ⟶ t = 3.5 hours

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t	P(t)
0	0
4	32
8	64
12	96
16	128
20	160

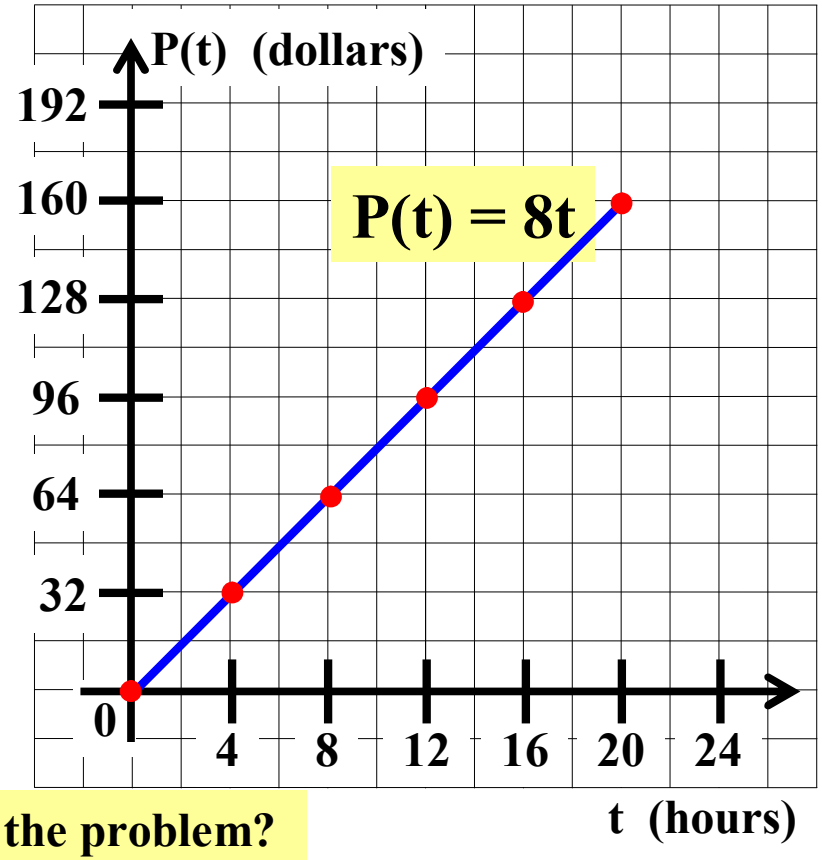
domain

[0 , 20]

range

[0 , 160]

2. Graph function P.



7. If P(t) = 28, then find the value of t. What does this value of t represent in terms of the problem?

8t = 28 ⟶ t = 3.5 hours

General Algebra II CWS #4 Unit 6

Tom has a part-time job. He can work up to 20 hours a week. He gets paid $8.00 per hour. Let t represent the number of hours he works. Let P(t) represent his total pay.

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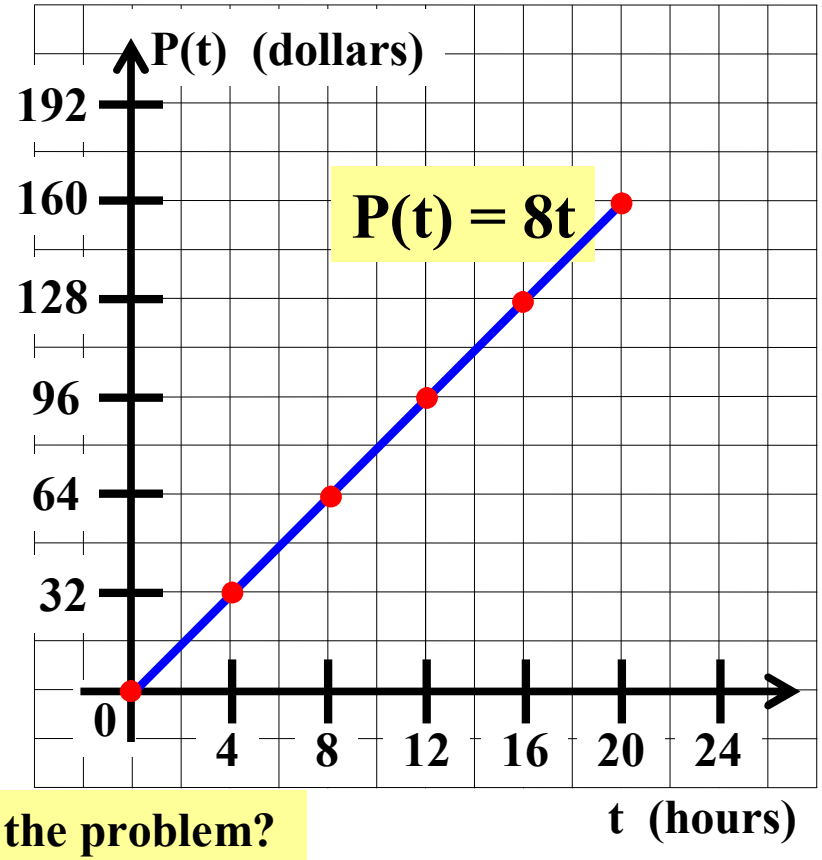

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General Algebra II CWS #4 Unit 6

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20	160

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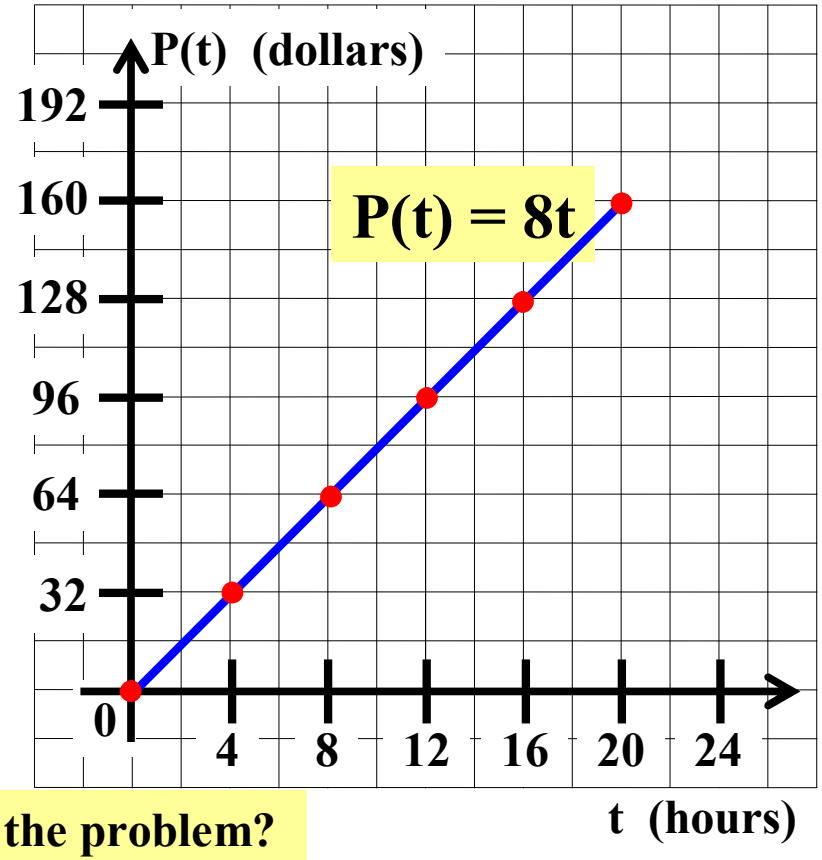

7. If P(t) = 28, then find the value of t.

What does this value of t represent in terms of the problem?

8t = 28 ⟶ t = 3.5 hours

This represents the number of hours Tom works.

General Algebra II CWS #4 Unit 6

Tom has a part-time job. He can work up to 20 hours a week. He gets paid $8.00 per hour. Let t represent the number of hours he works. Let P(t) represent his total pay.

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0	0
4	32
8	64
12	96
16	128
20	160

domain
[0 , 20]

range
[0 , 160]

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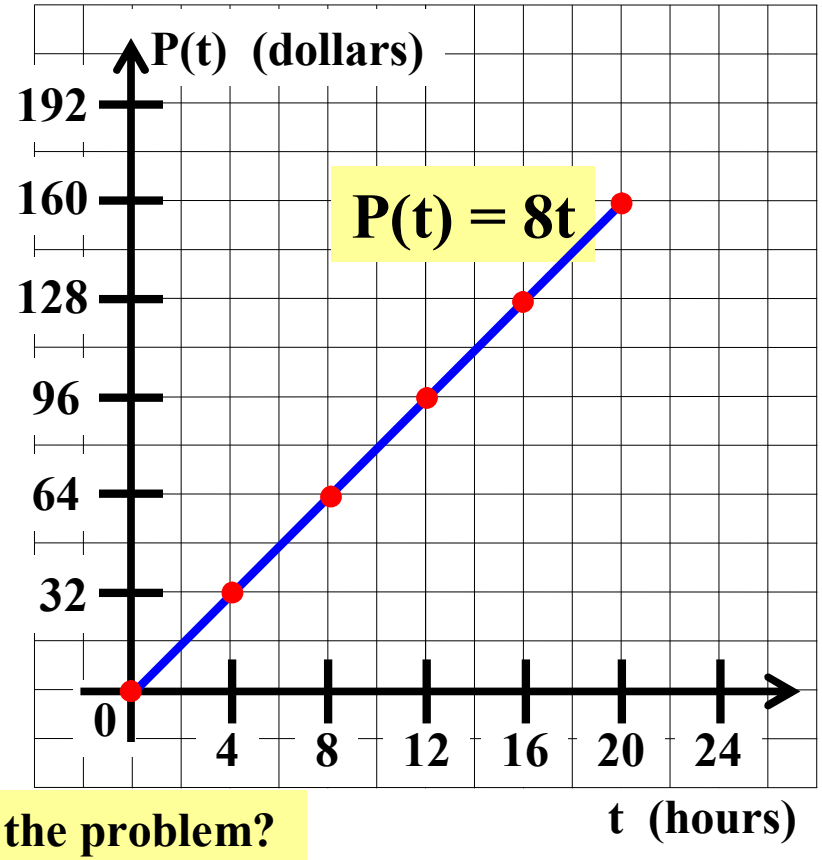

7. If P(t) = 28, then find the value of t.
What does this value of t represent in terms of the problem?

8t = 28 ⟶ t = 3.5 hours

This represents the number of hours Tom works to earn 28 dollars.

General Algebra II CWS #4 Unit 6

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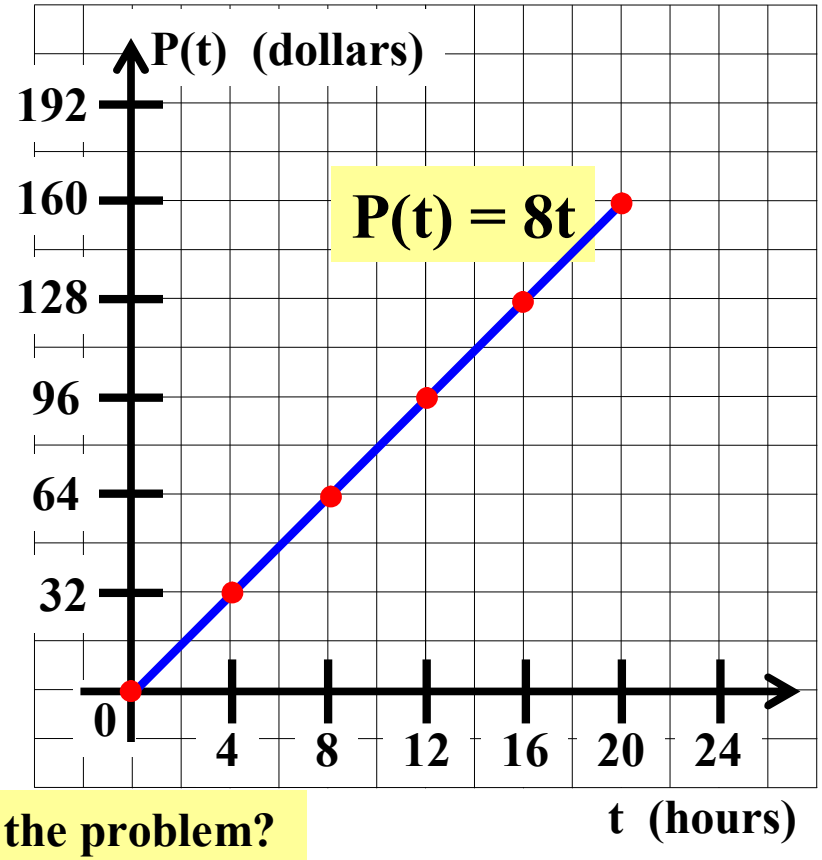

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This represents the number of hours Tom works to earn 28 dollars.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

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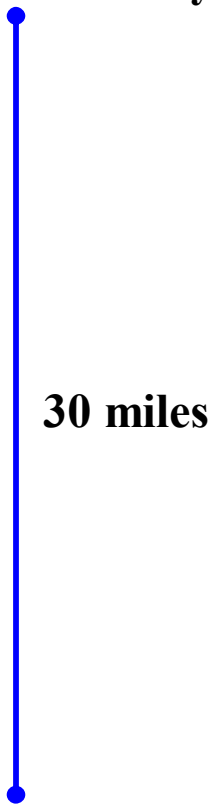

30 miles

Bird Island

General Algebra II CWS #4 Unit 6

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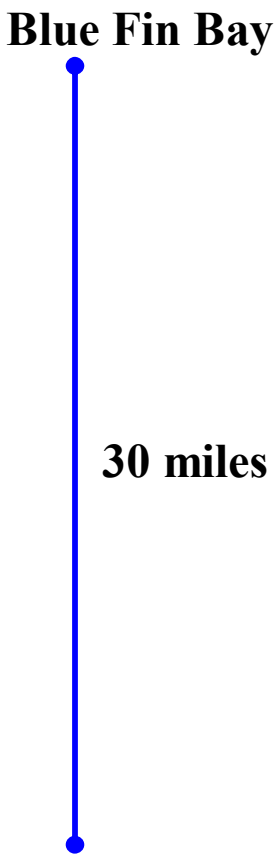

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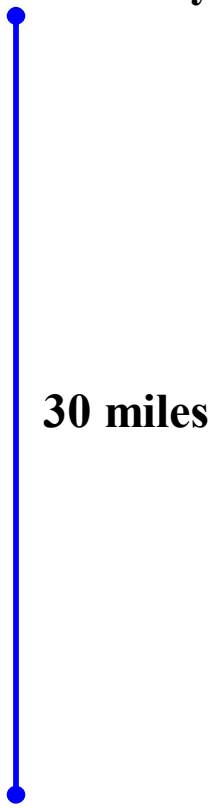

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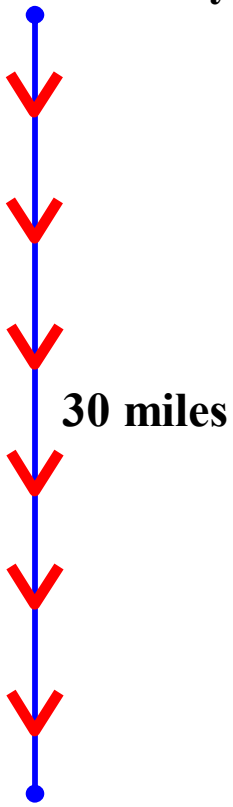

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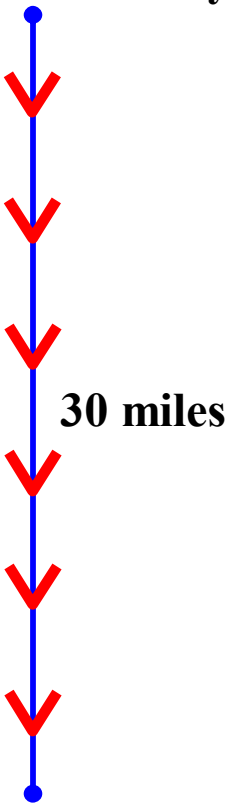

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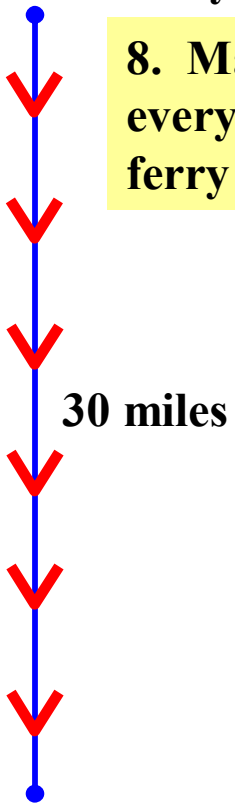

30 miles

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

General Algebra II CWS #4 Unit 6

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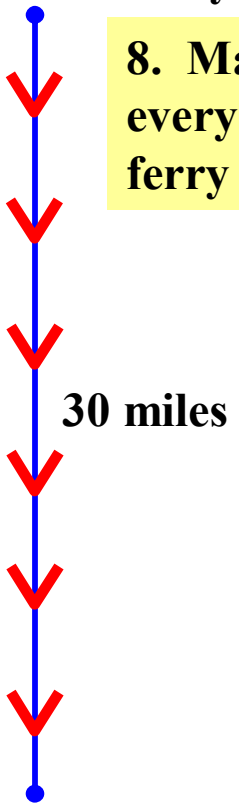

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)

General Algebra II CWS #4 Unit 6

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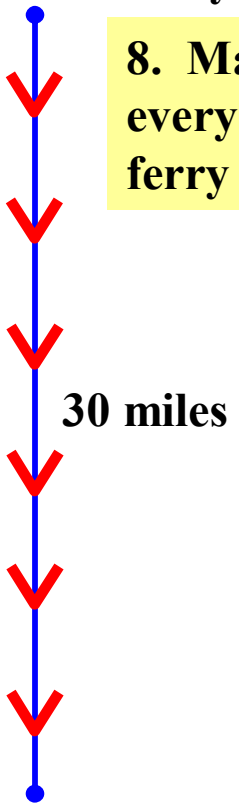

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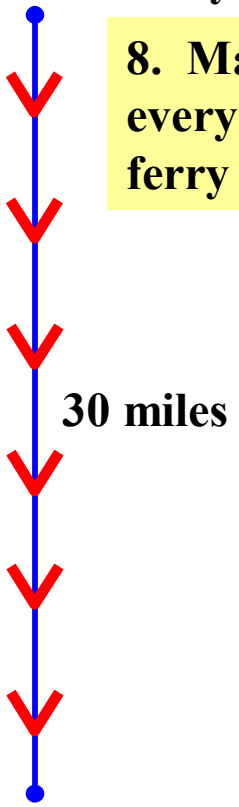

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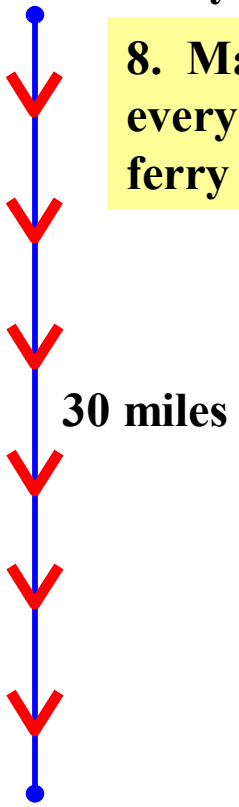

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30

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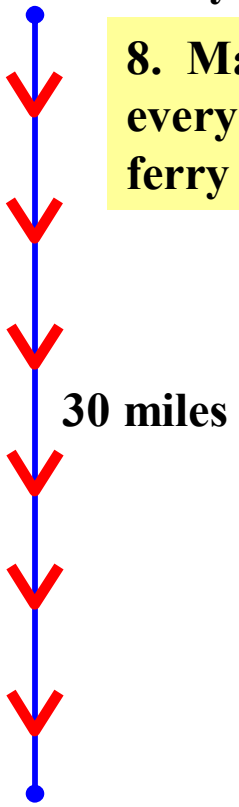

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	

General Algebra II CWS #4 Unit 6

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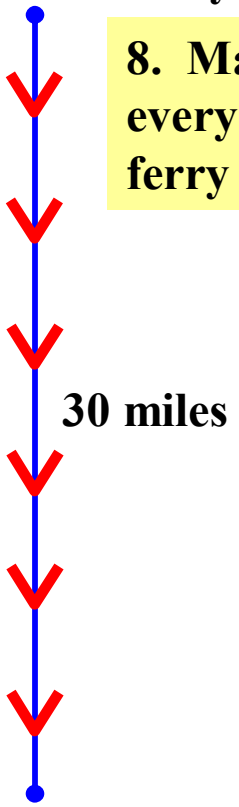

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0.5	

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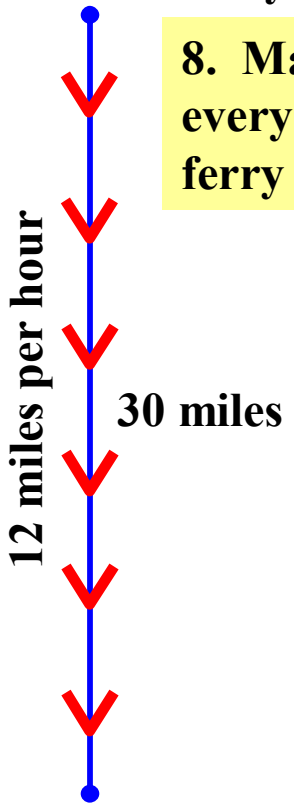

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t	D(t)
0	30
0.5	

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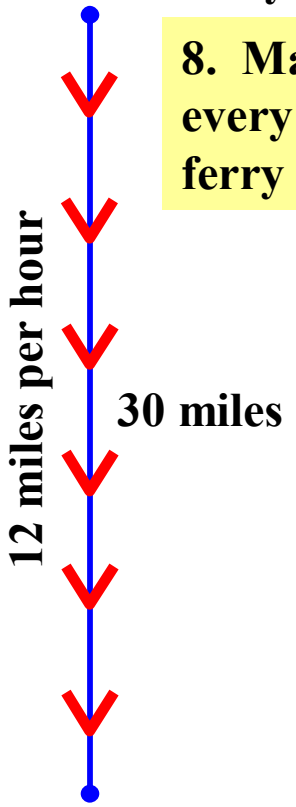

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	

In ½ hour, the ferry will move 6 miles closer to Bird Island !!

General Algebra II CWS #4 Unit 6

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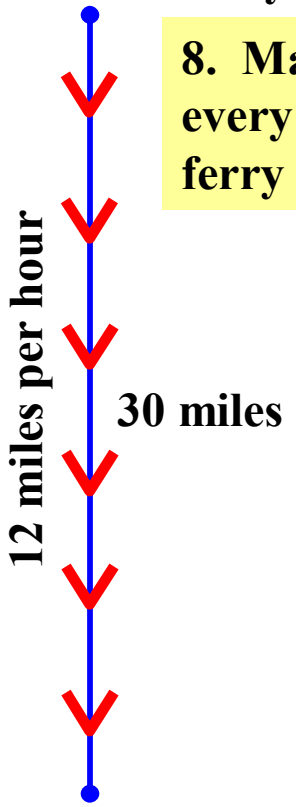

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24

In ½ hour, the ferry will move 6 miles closer to Bird Island !!

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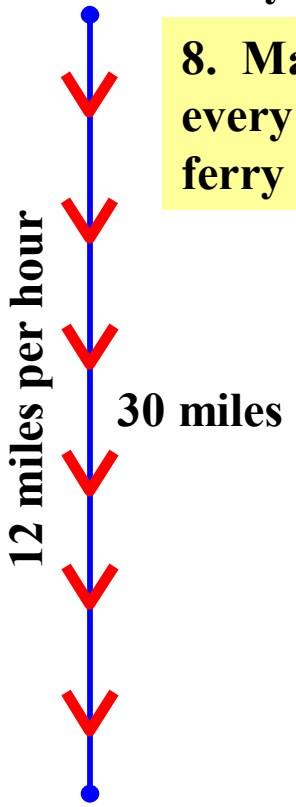

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	

In ½ hour, the ferry will move 6 miles closer to Bird Island !!

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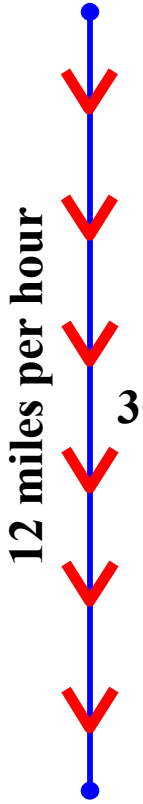

Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18

In ½ hour, the ferry will move 6 miles closer to Bird Island !!

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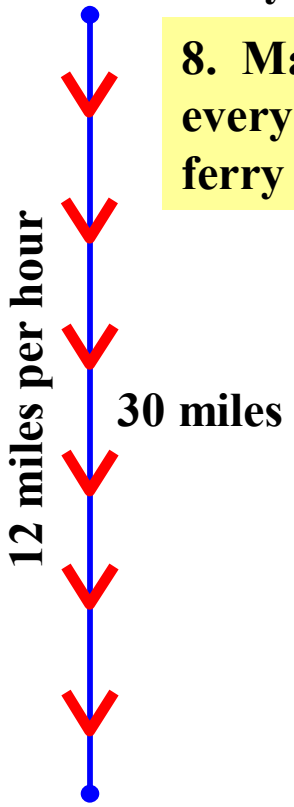

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t	D(t)
0	30
0.5	24
1	18
1.5	

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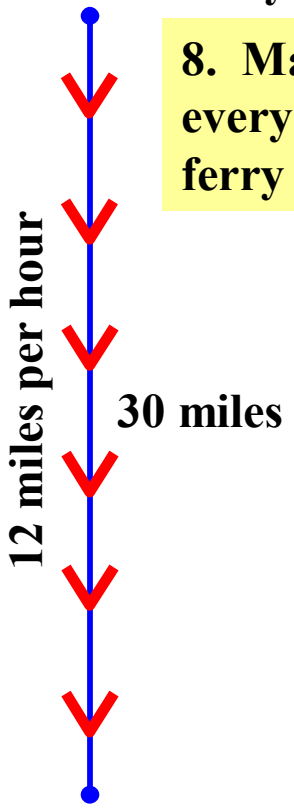

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12

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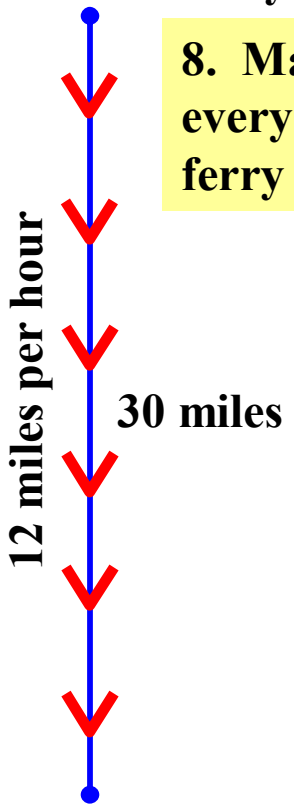

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	

In ½ hour, the ferry will move 6 miles closer to Bird Island !!

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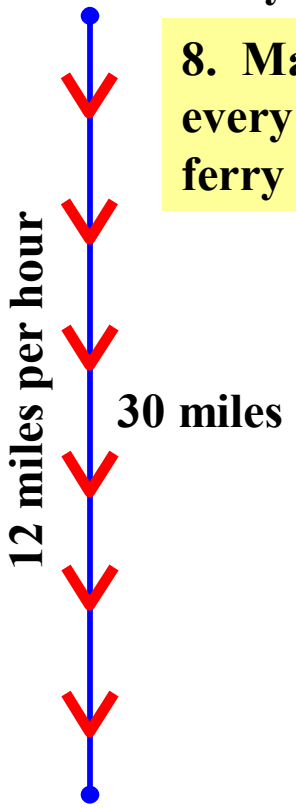

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t	D(t)
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1.5	12
2	6

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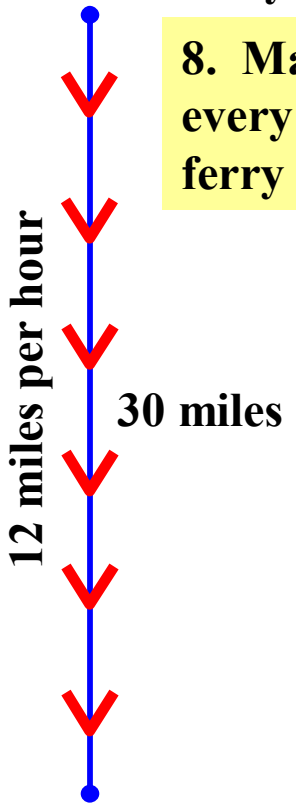

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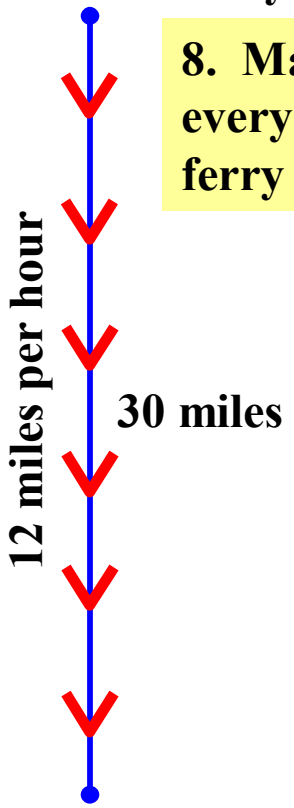

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t	D(t)
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0.5	24
1	18
1.5	12
2	6
2.5	0

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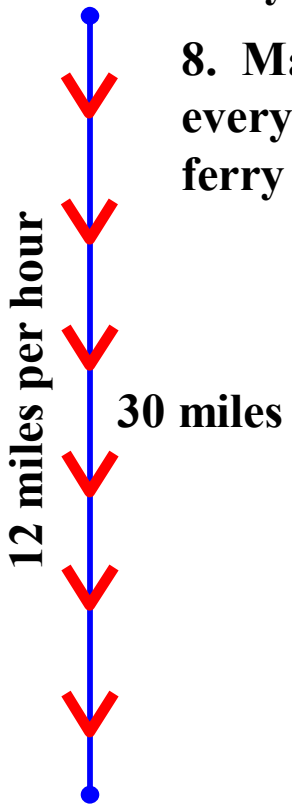
Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay



Bird Island

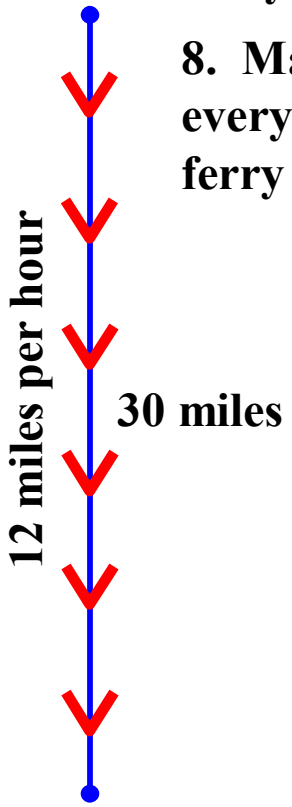
8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay



Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

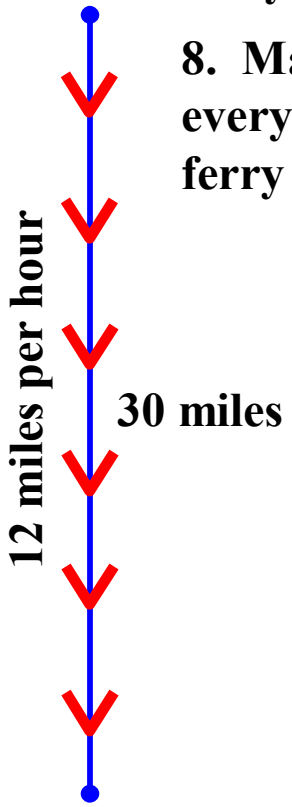
t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

9. Graph function D.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay



Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

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2	6
2.5	0

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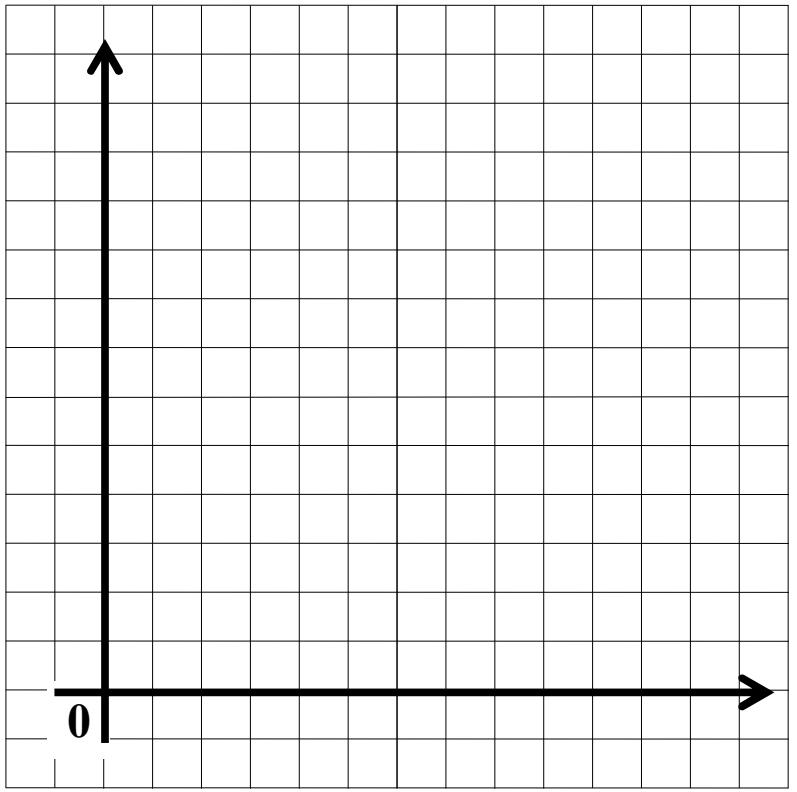
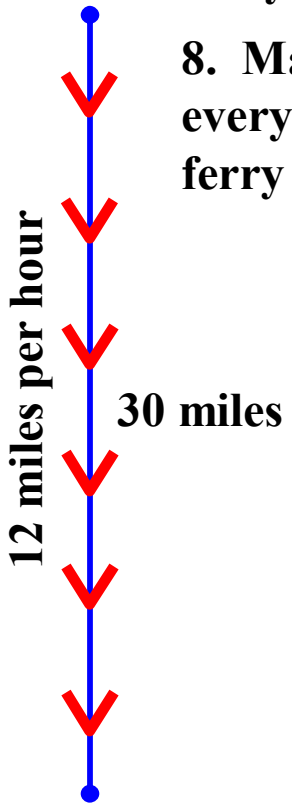


General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay



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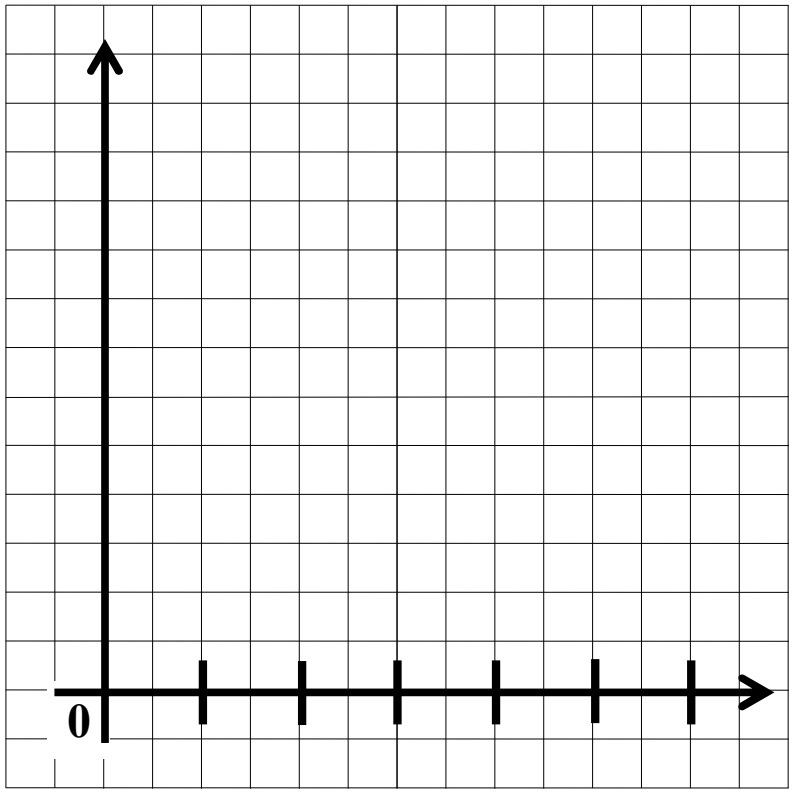
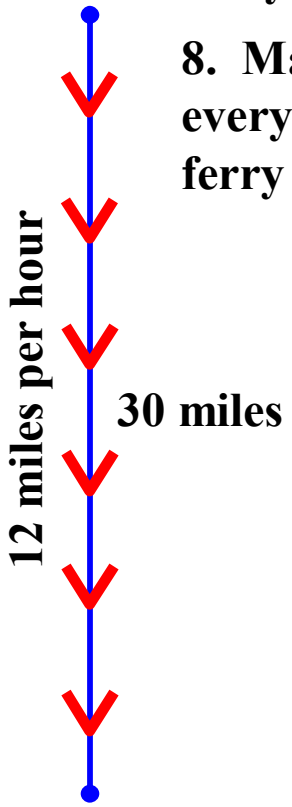


General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay



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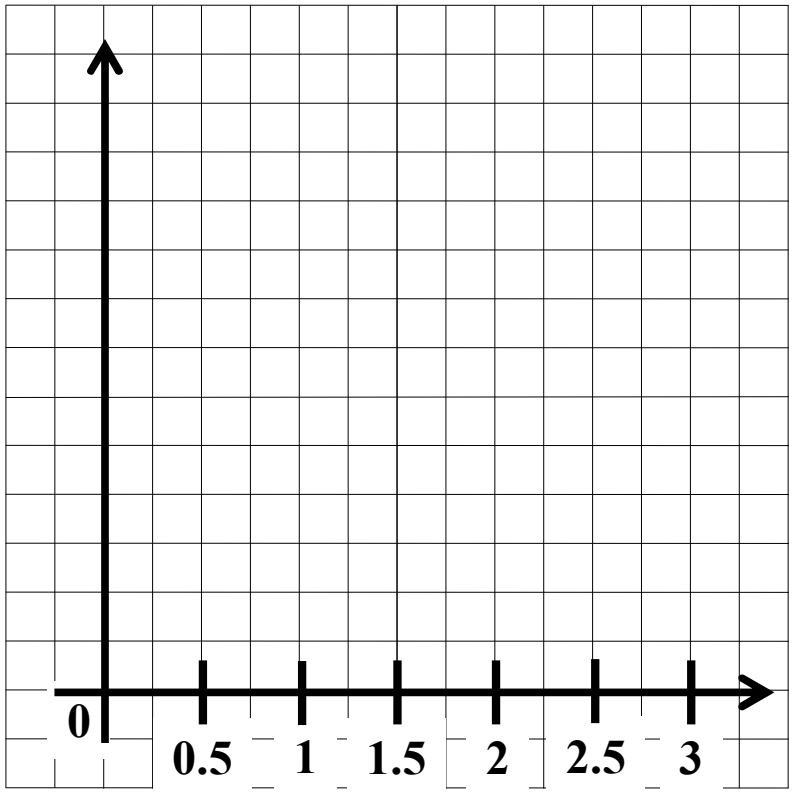

General Algebra II CWS #4 Unit 6

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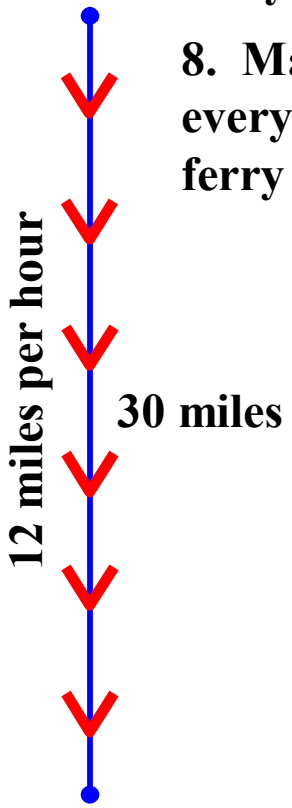

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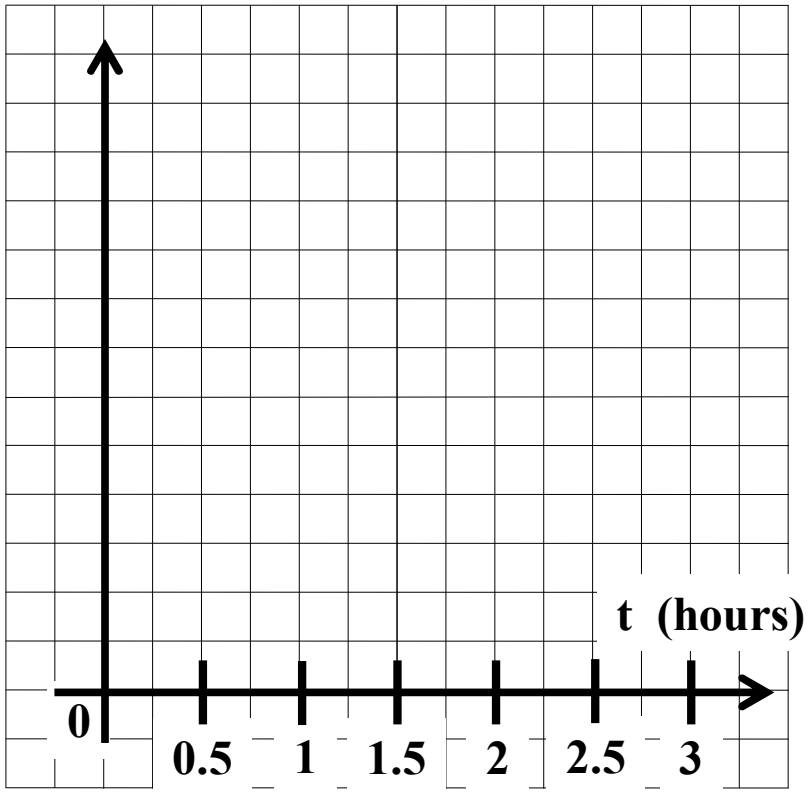

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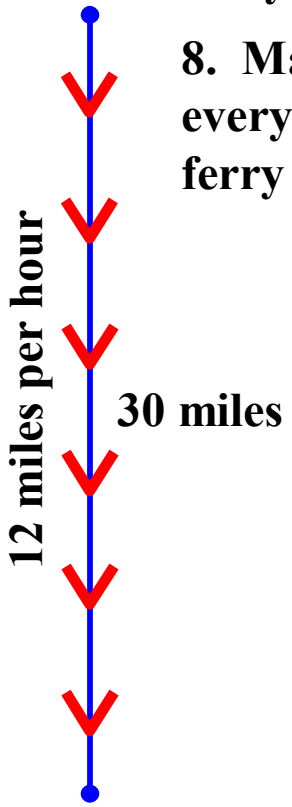
Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay



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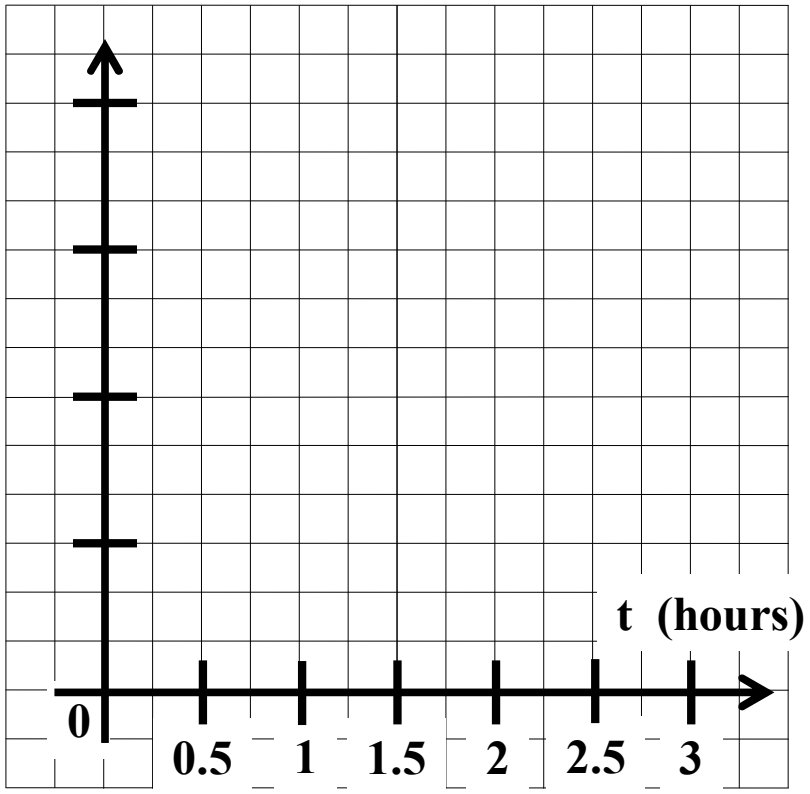

General Algebra II CWS #4 Unit 6

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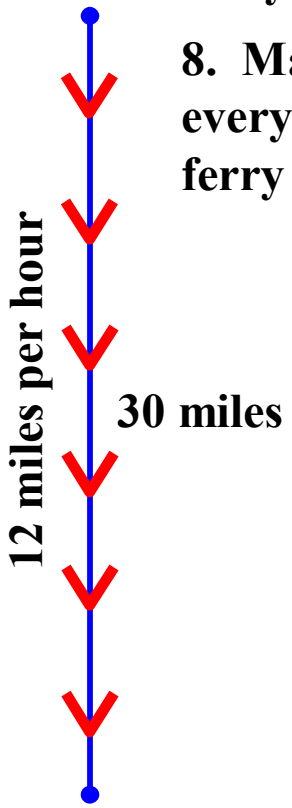

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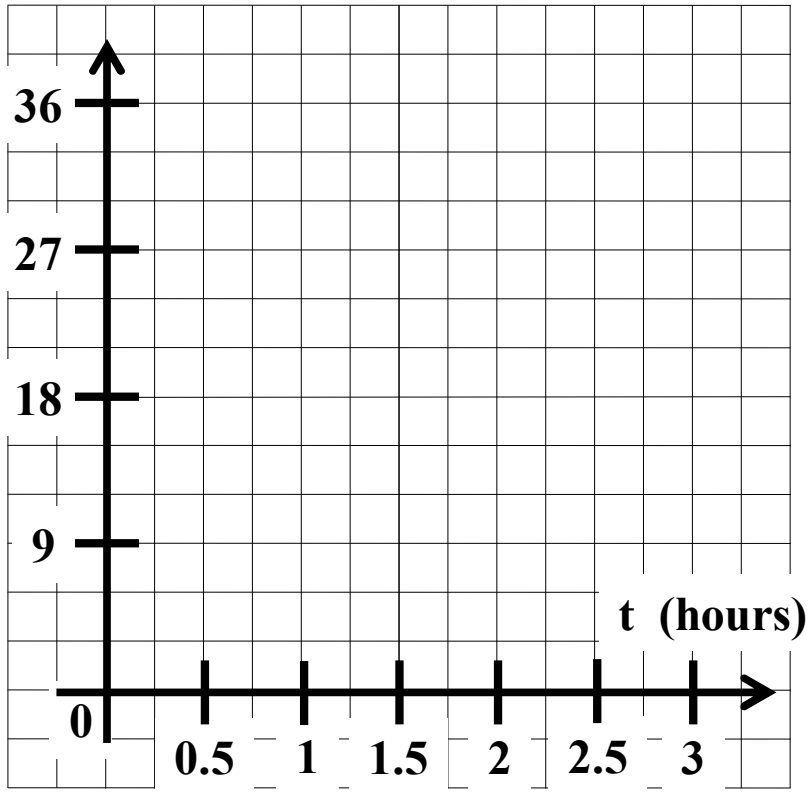

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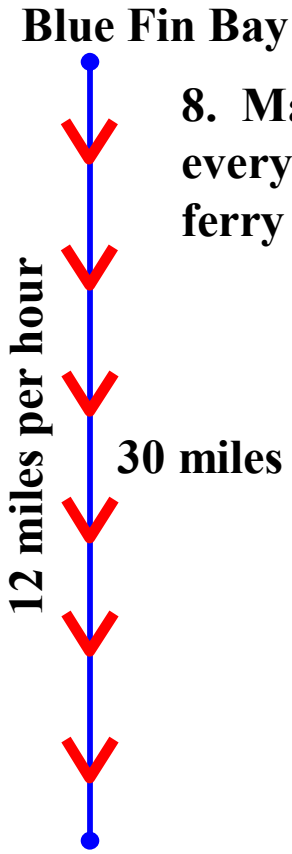

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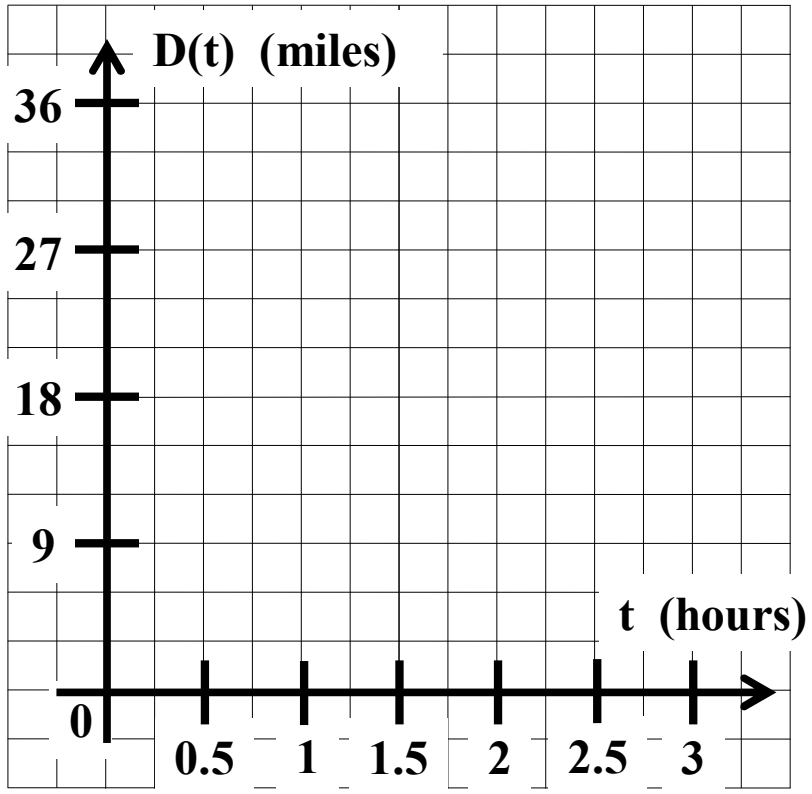

General Algebra II CWS #4 Unit 6

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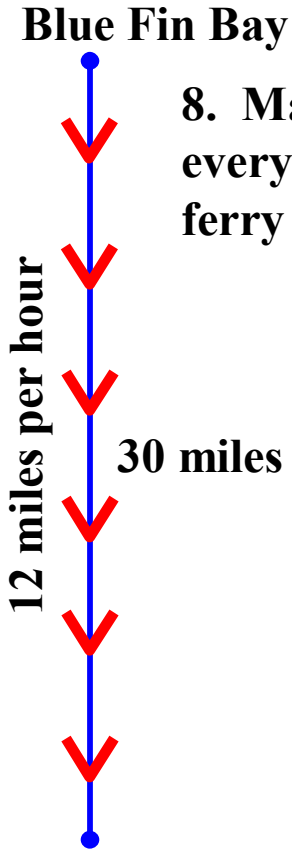

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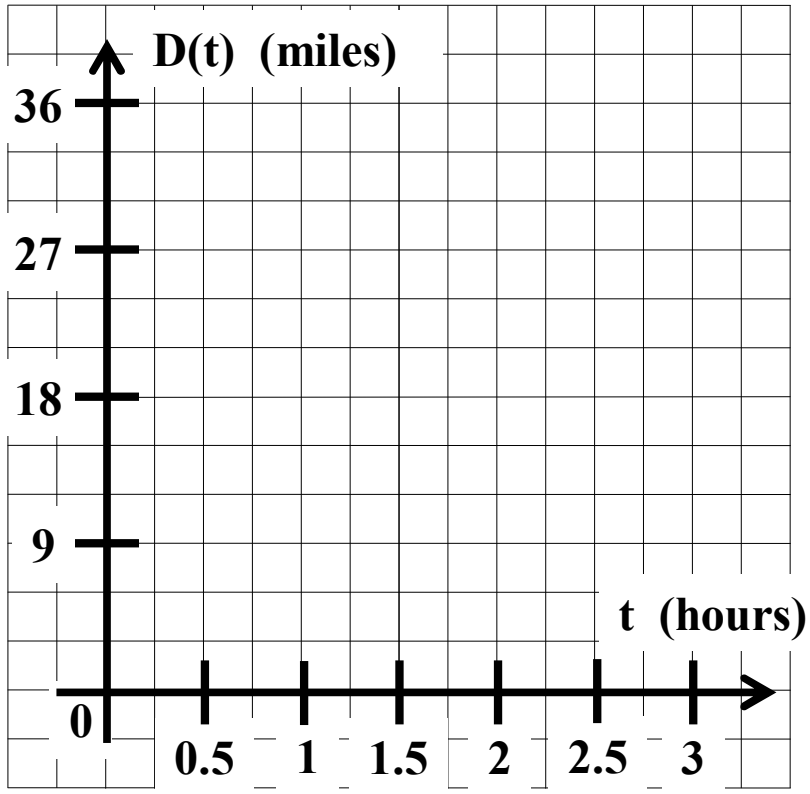

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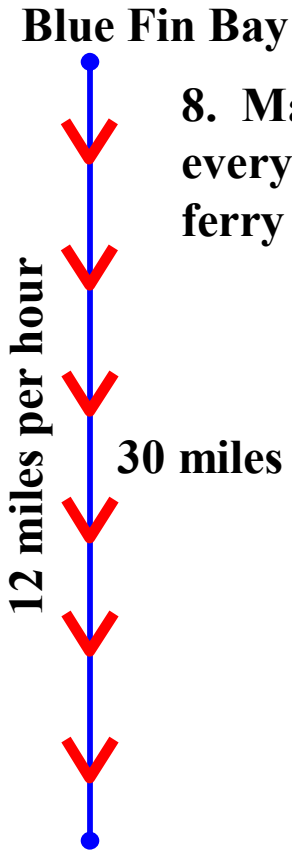

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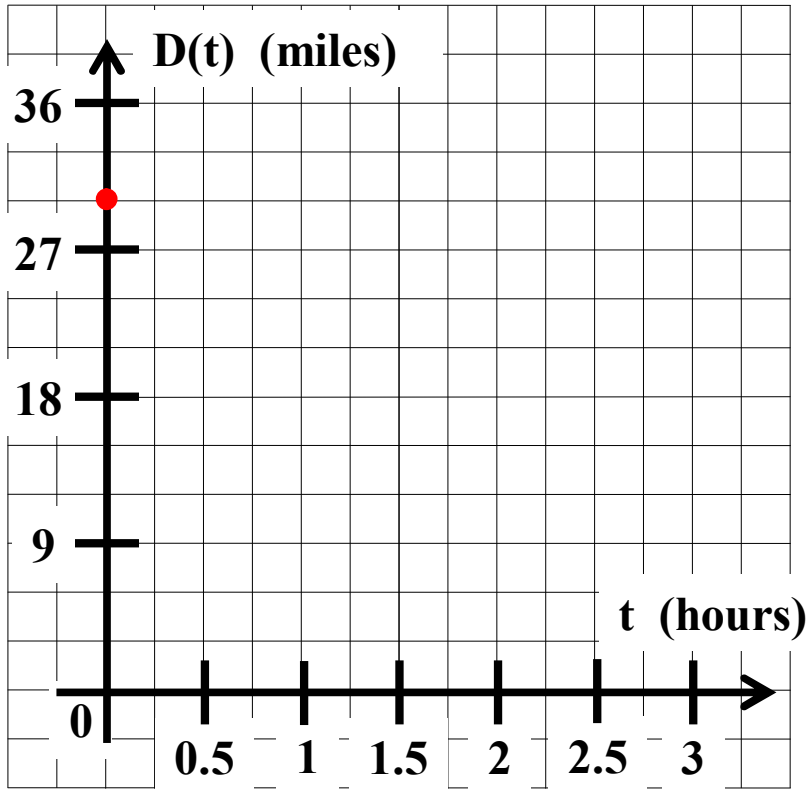

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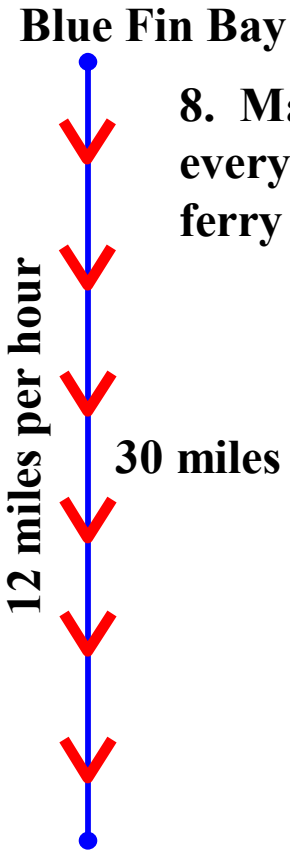

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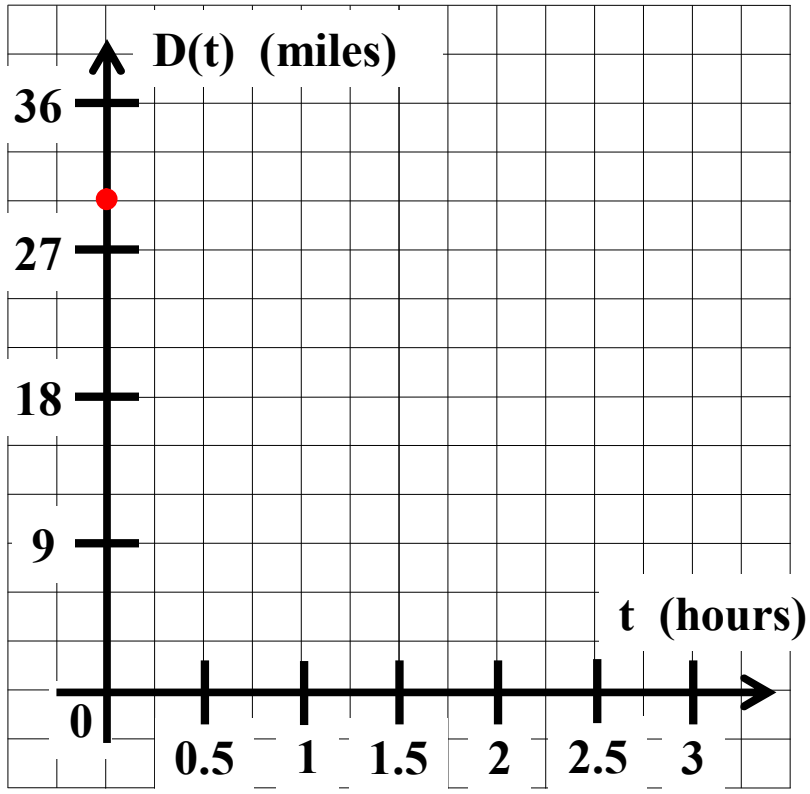

General Algebra II CWS #4 Unit 6

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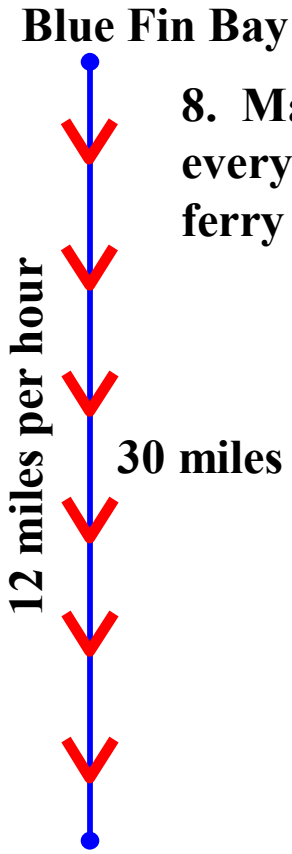

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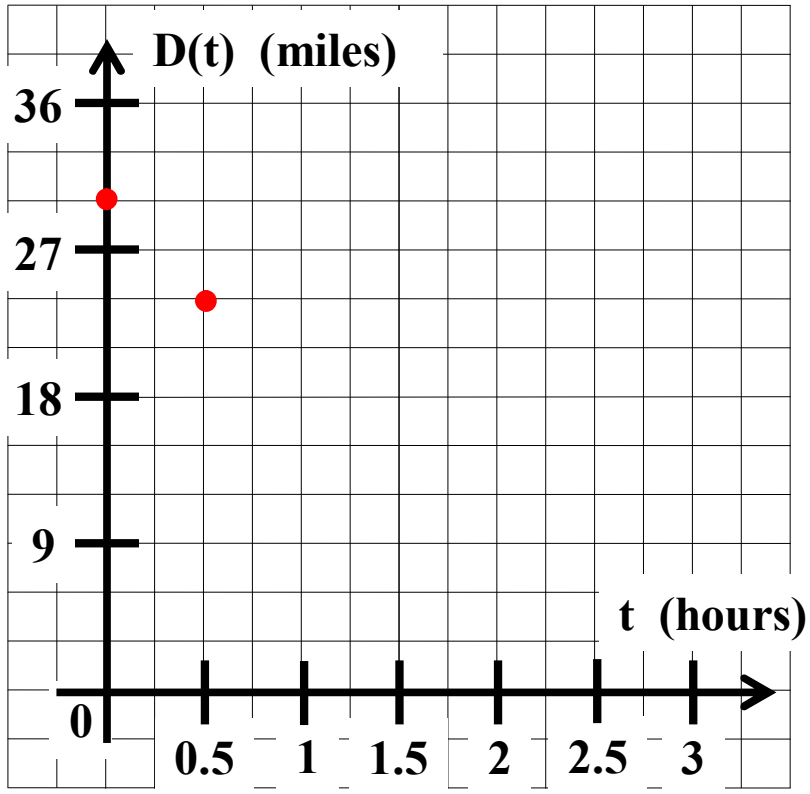

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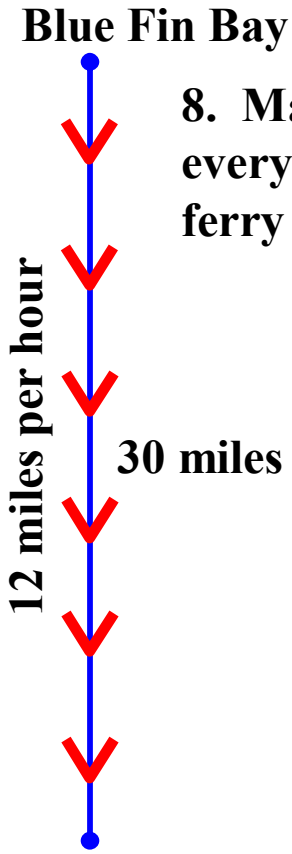

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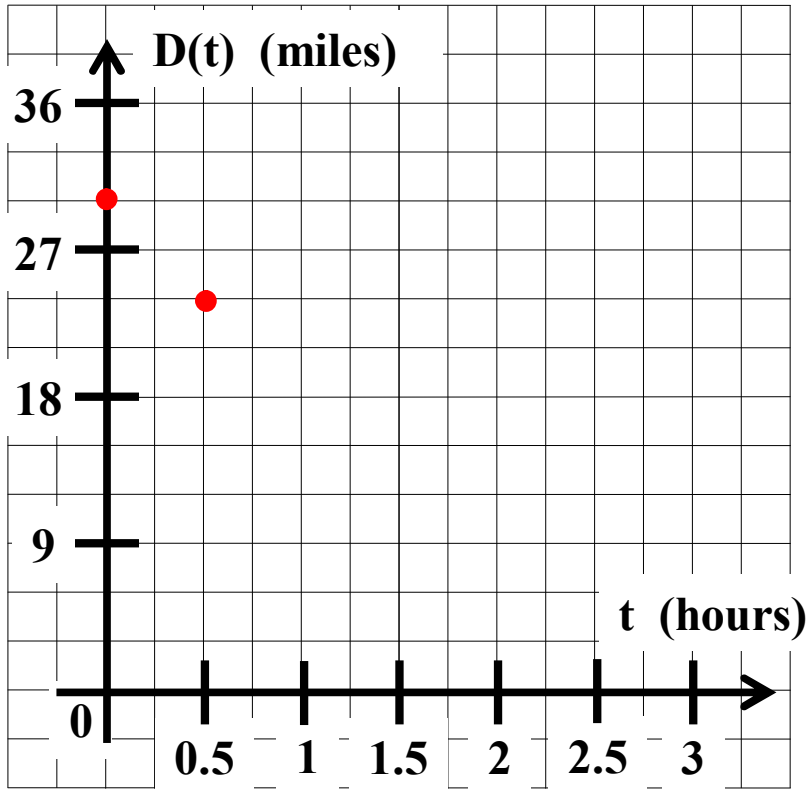

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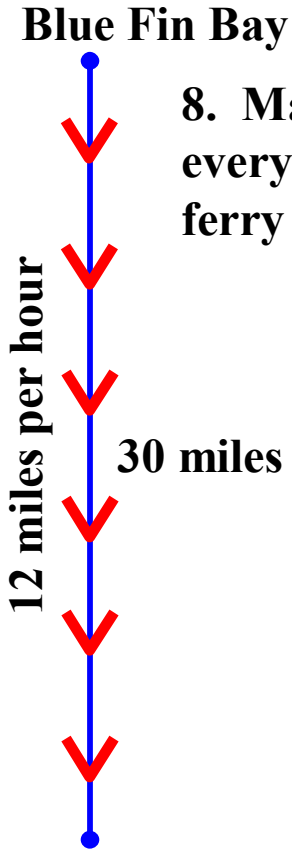

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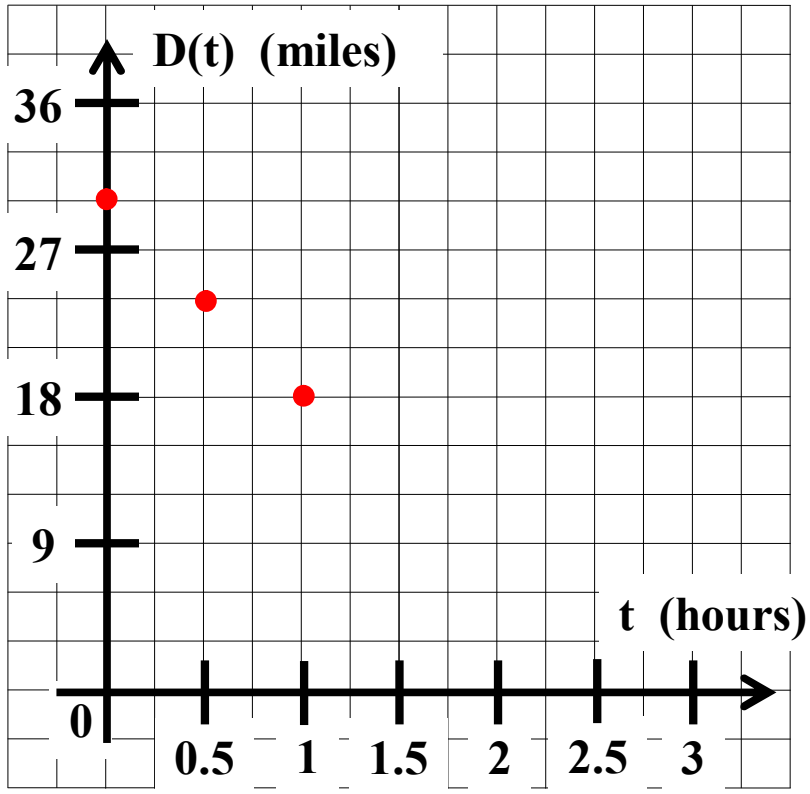

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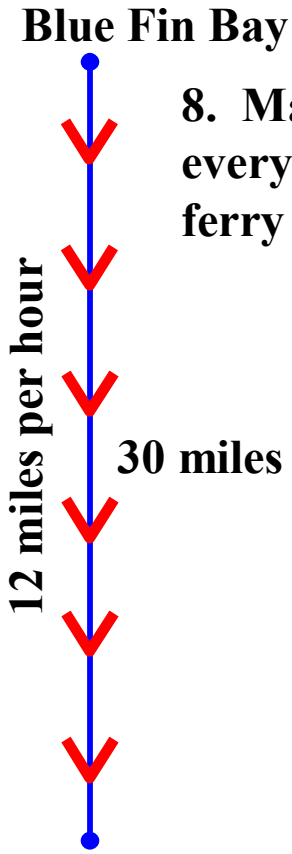

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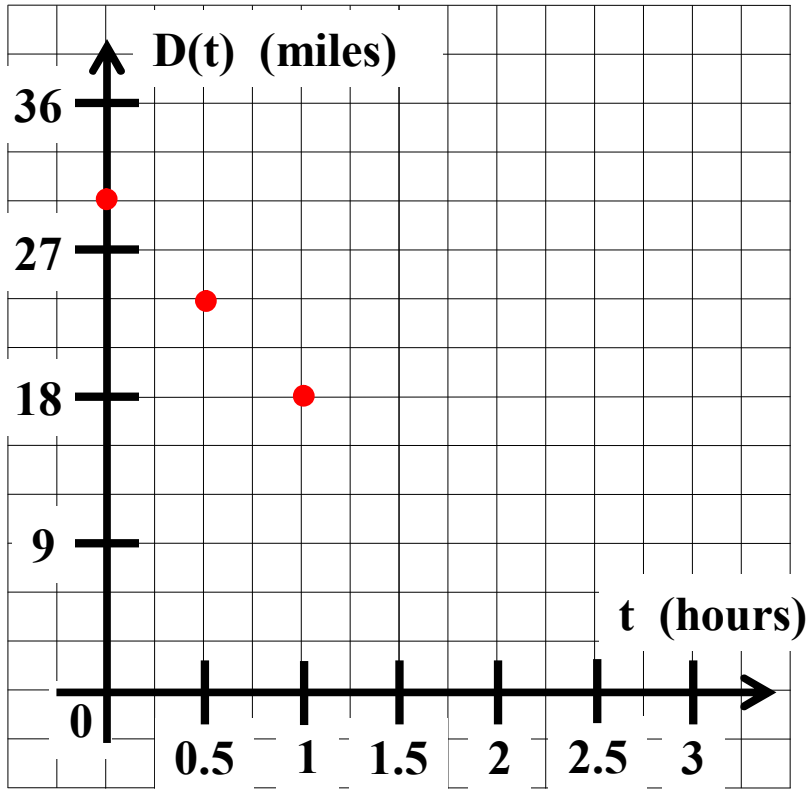

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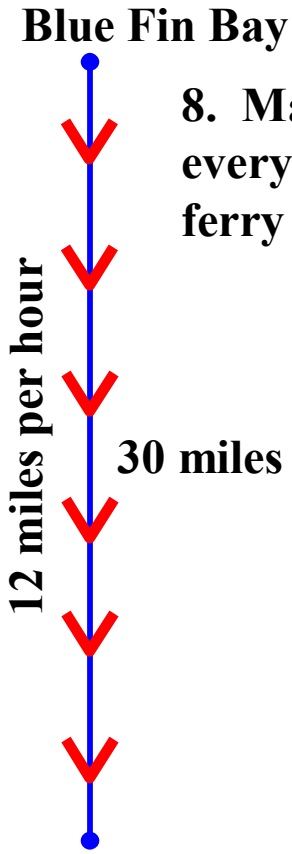

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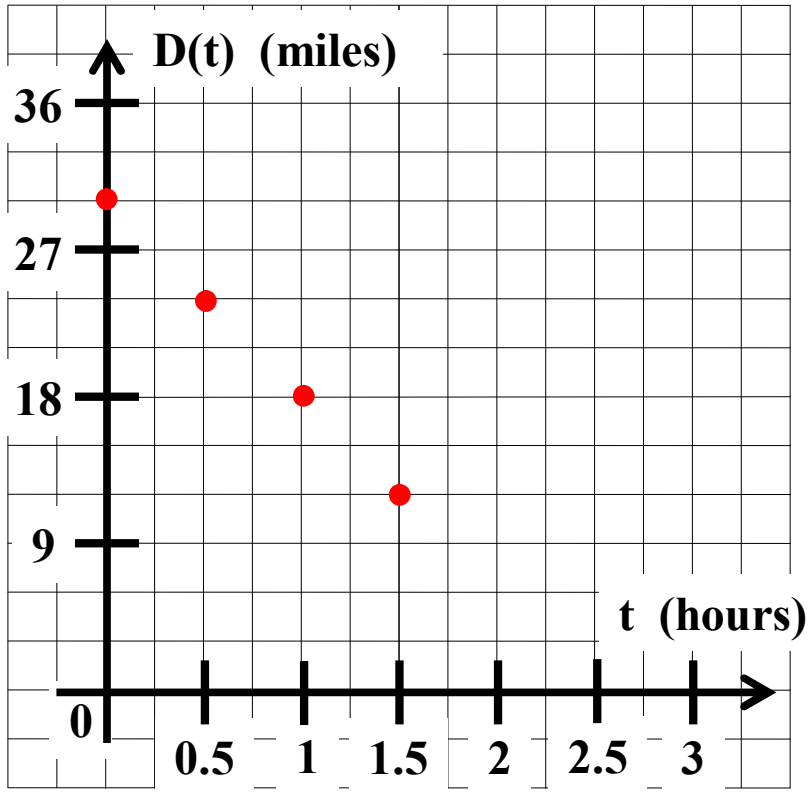

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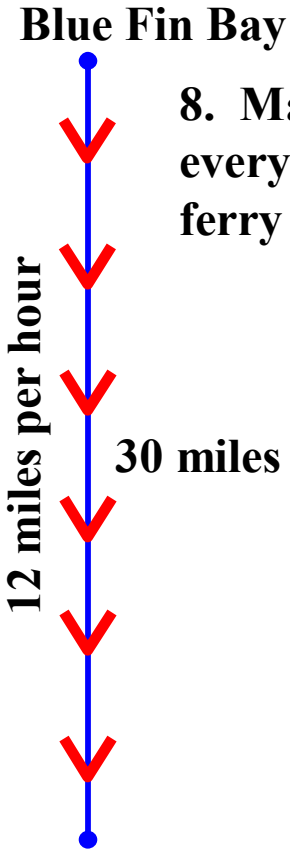

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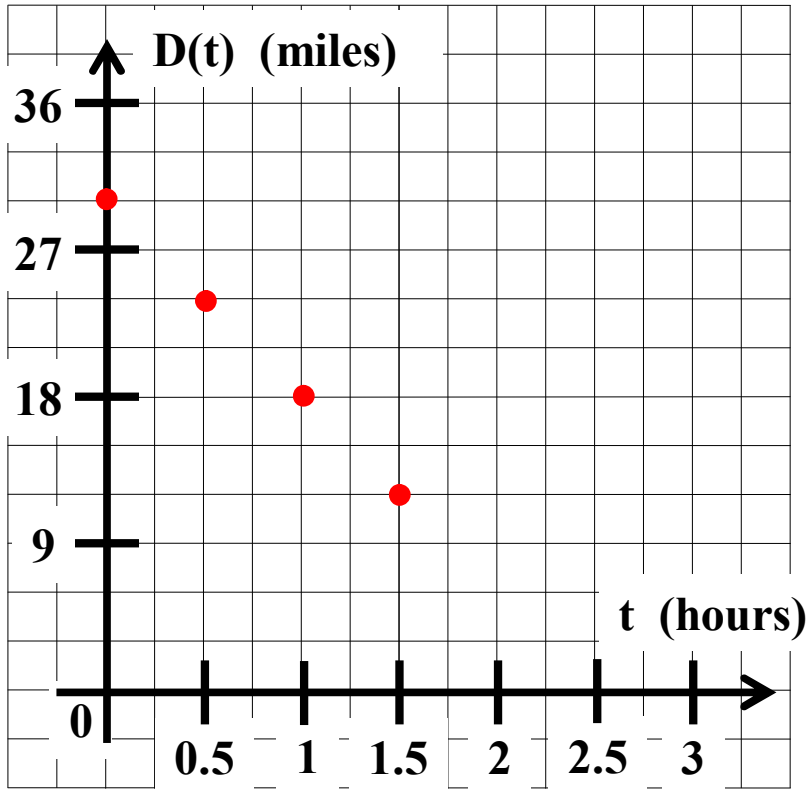

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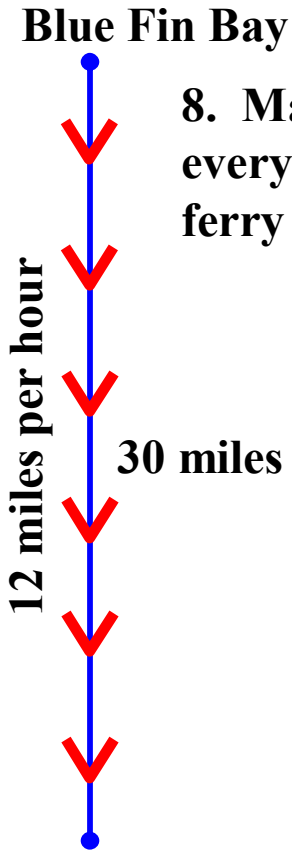

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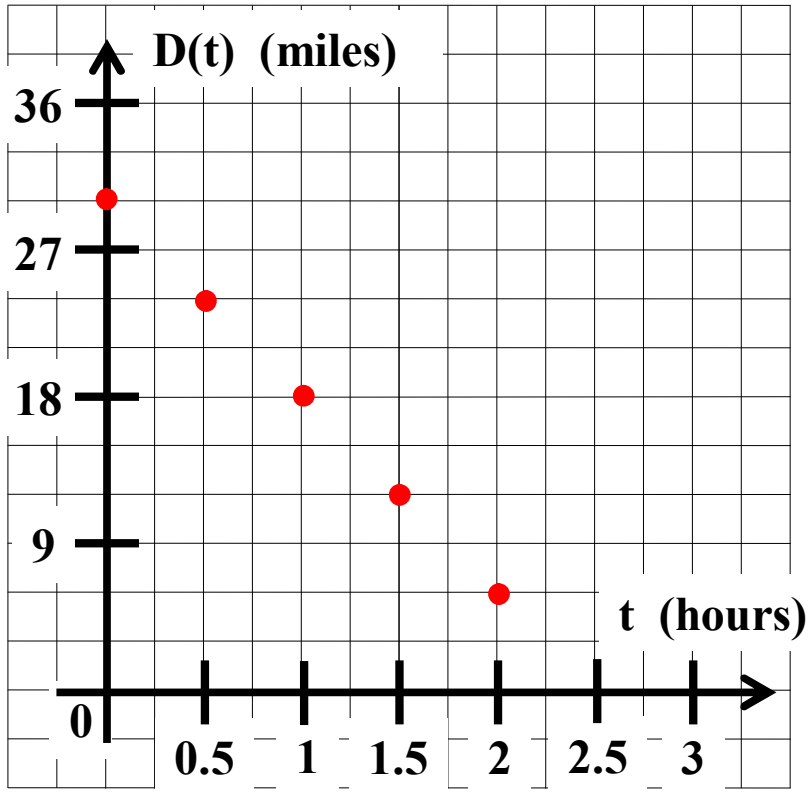

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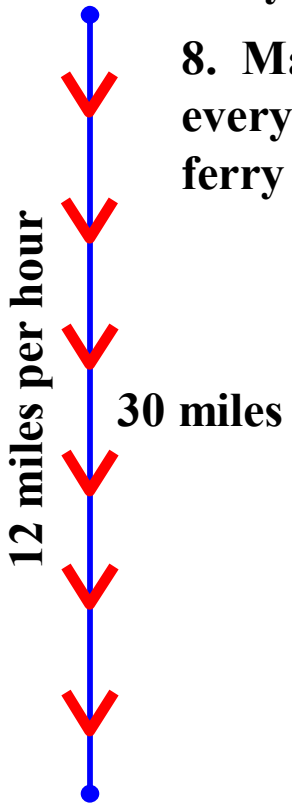

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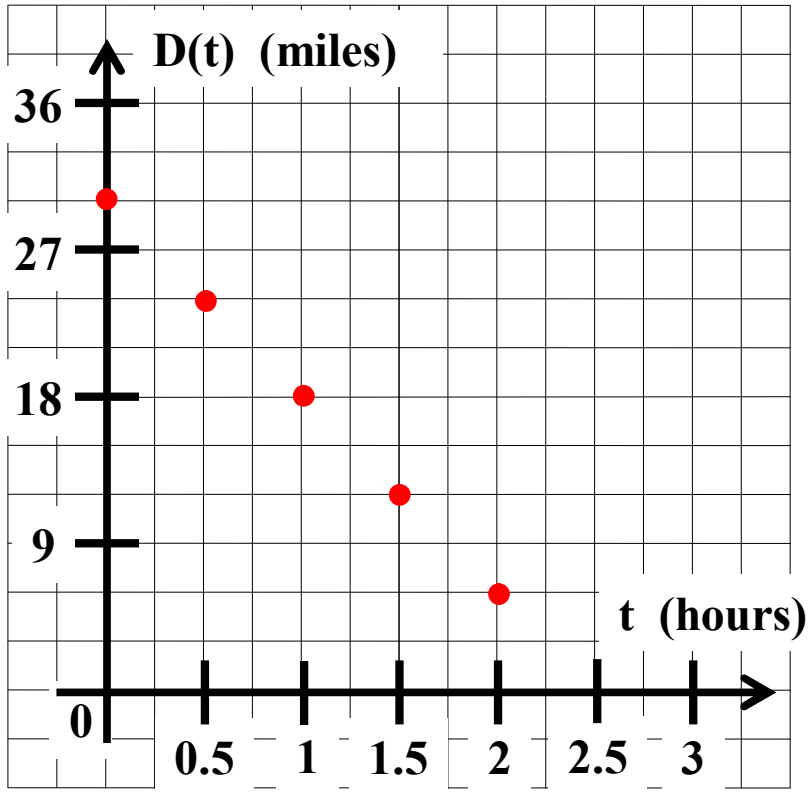

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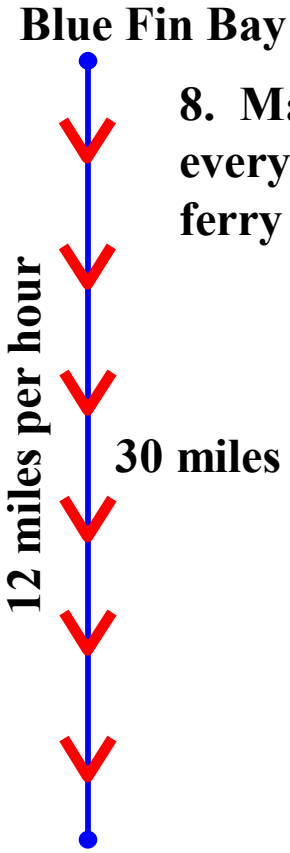

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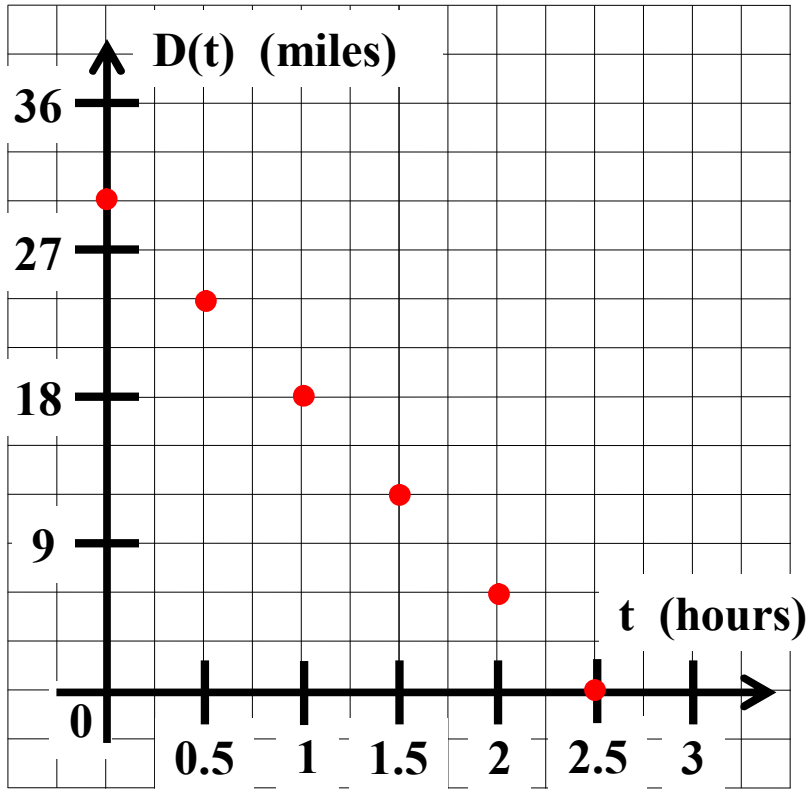

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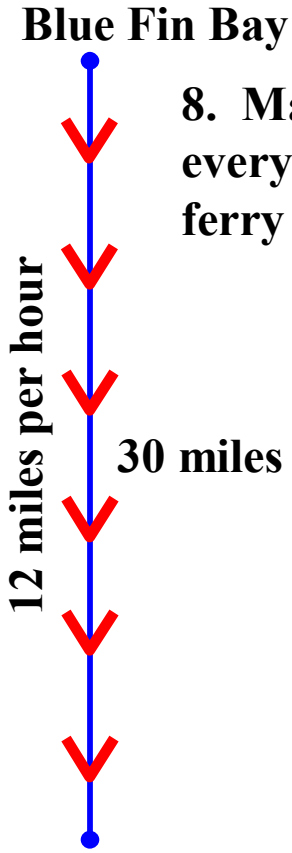

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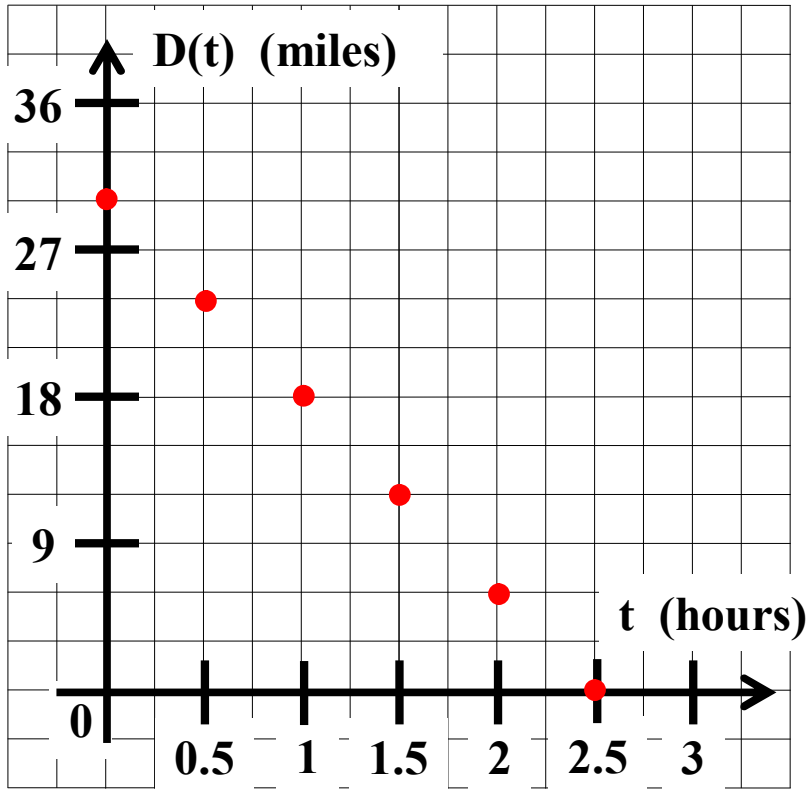

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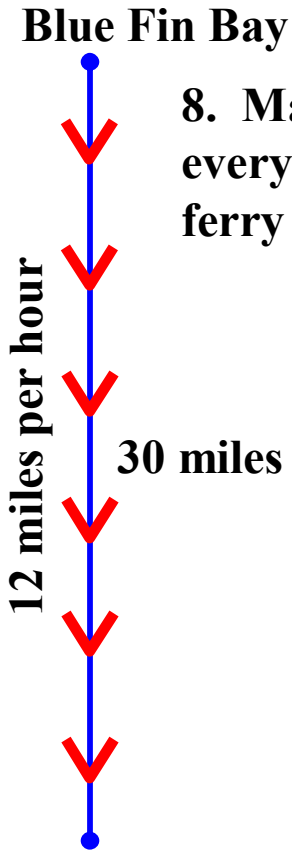

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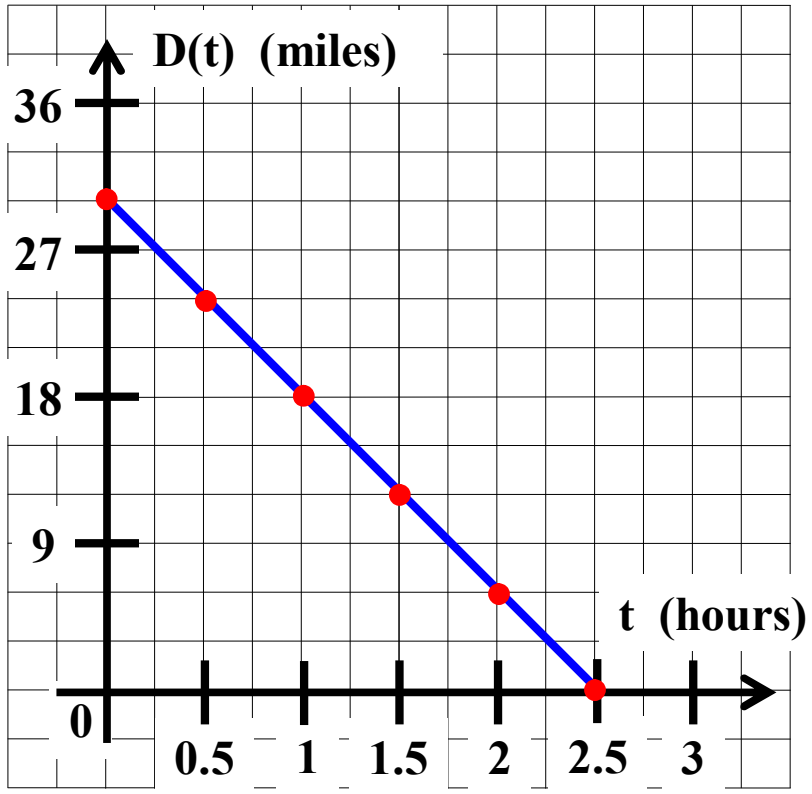

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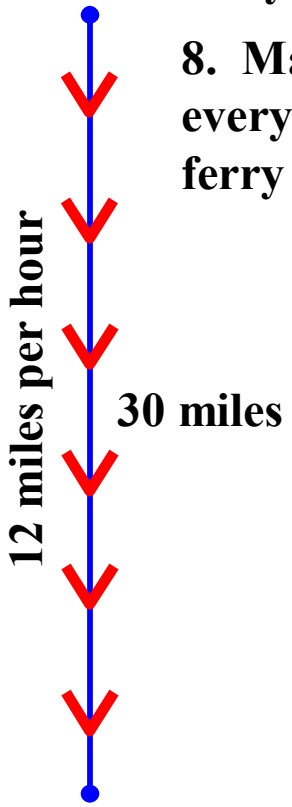

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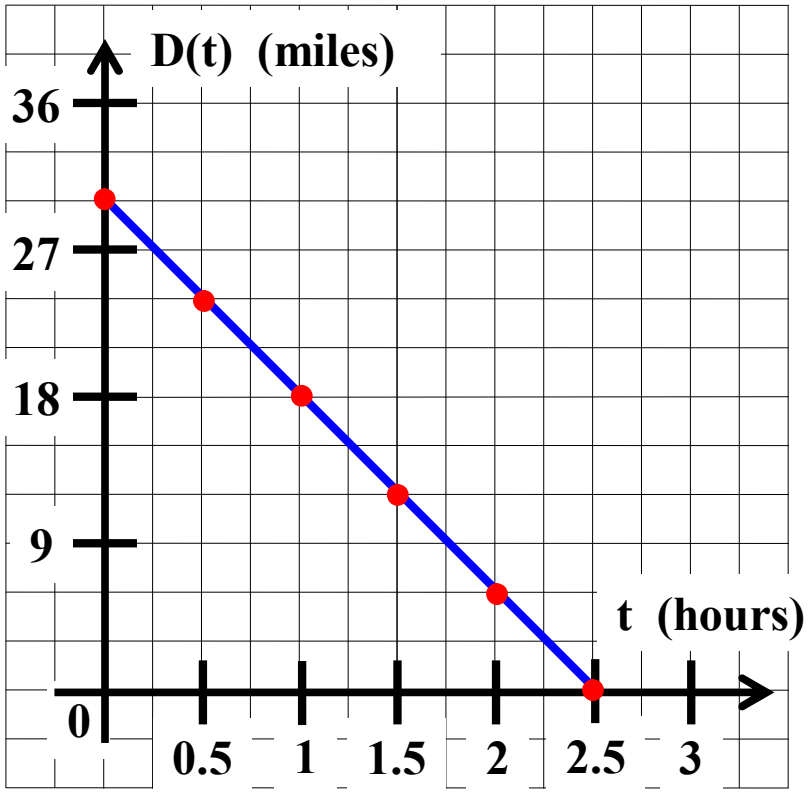

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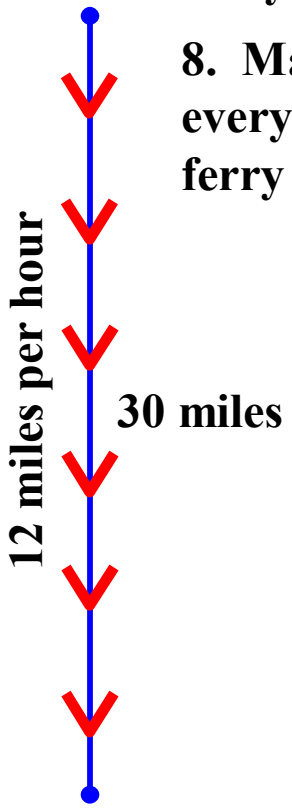

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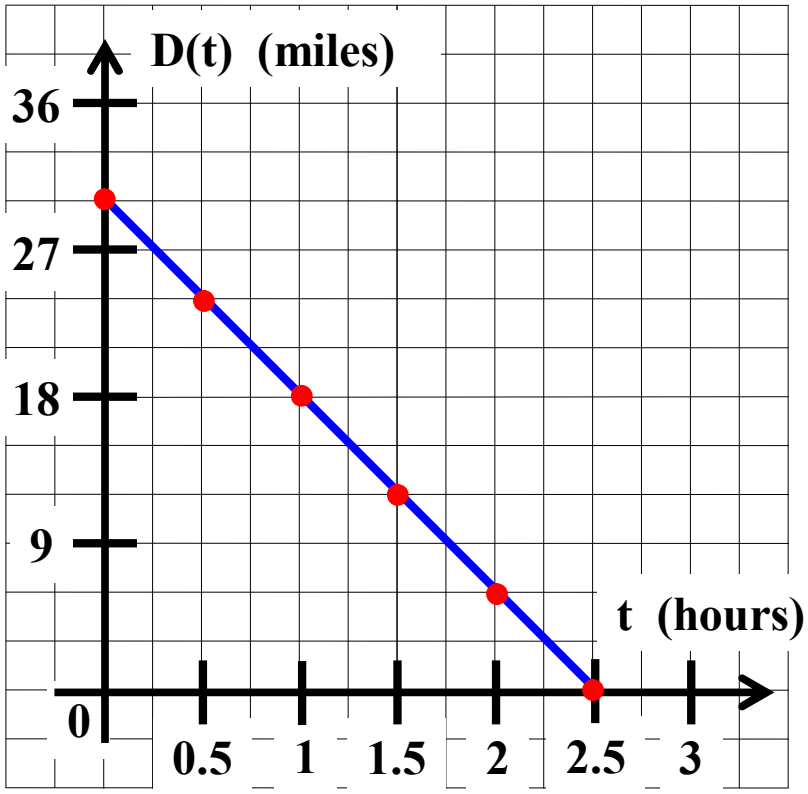

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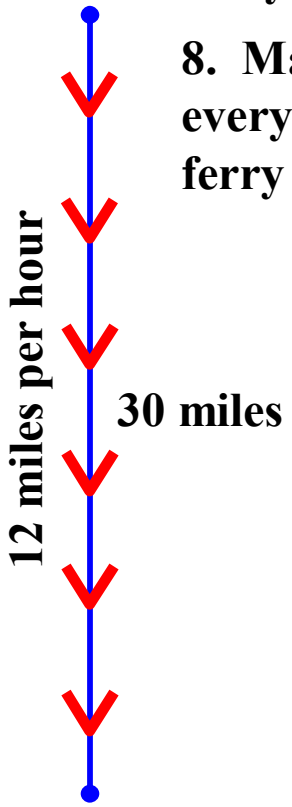

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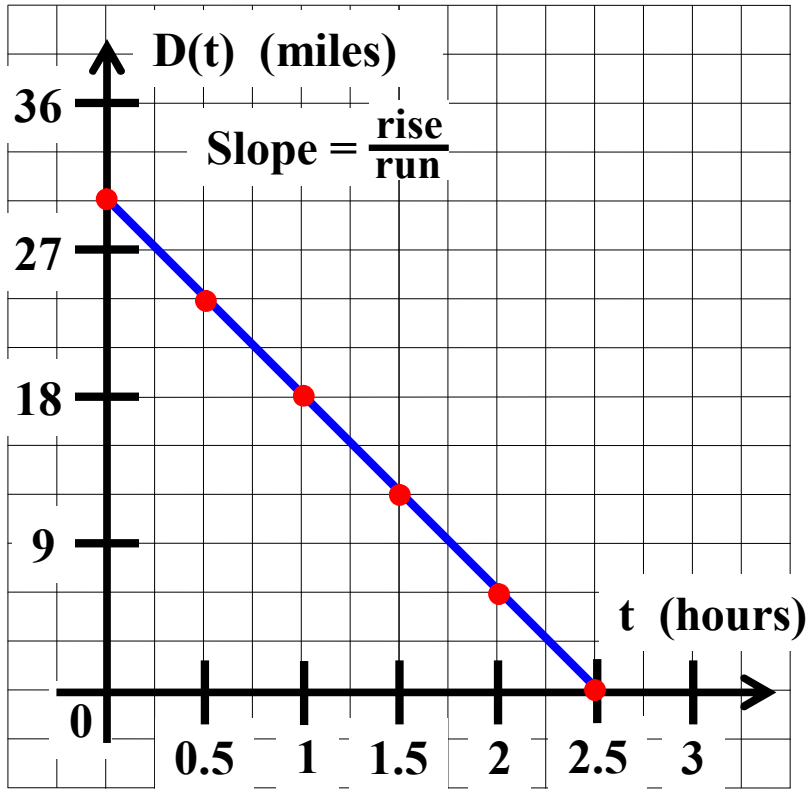

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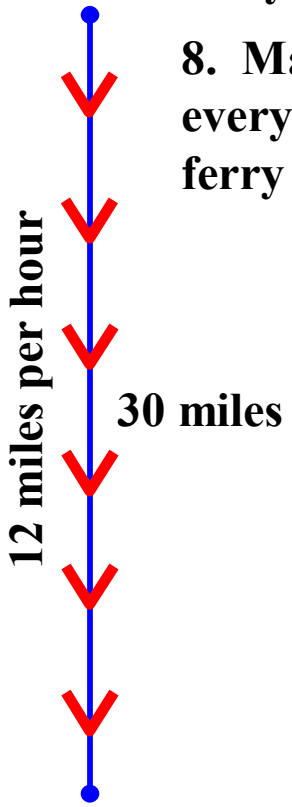

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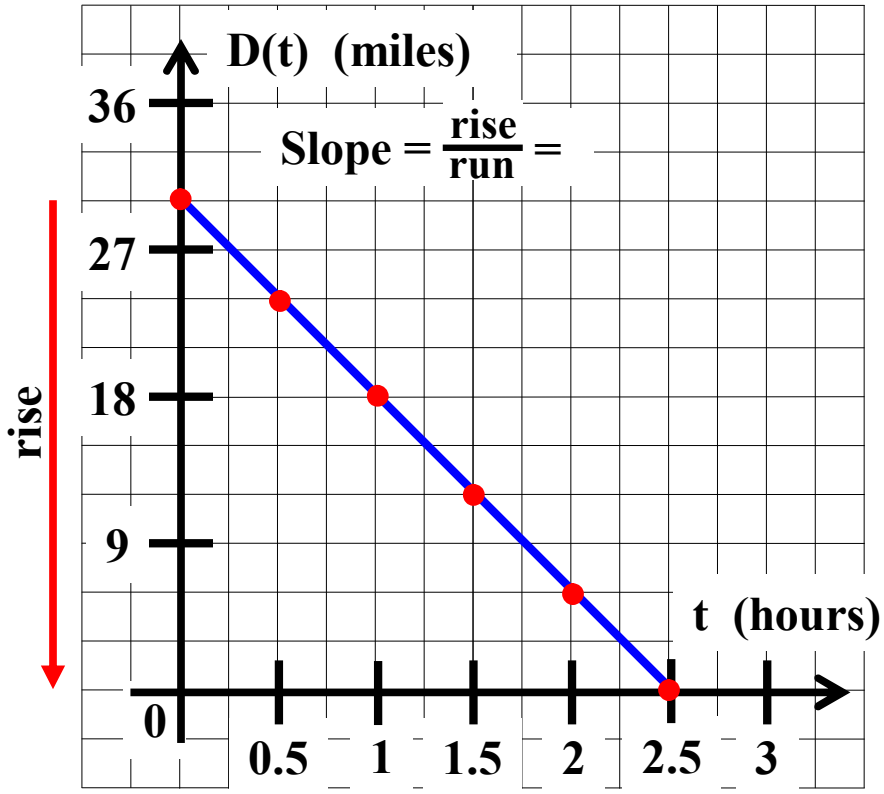

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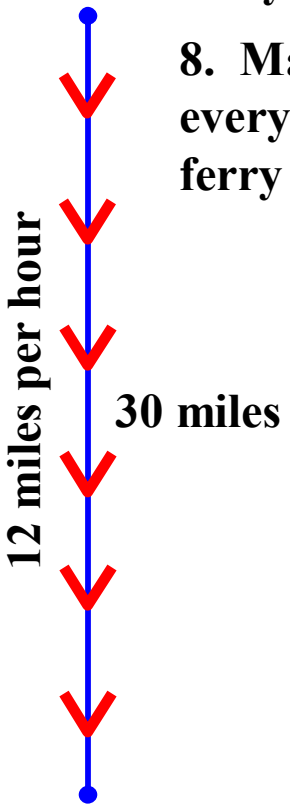

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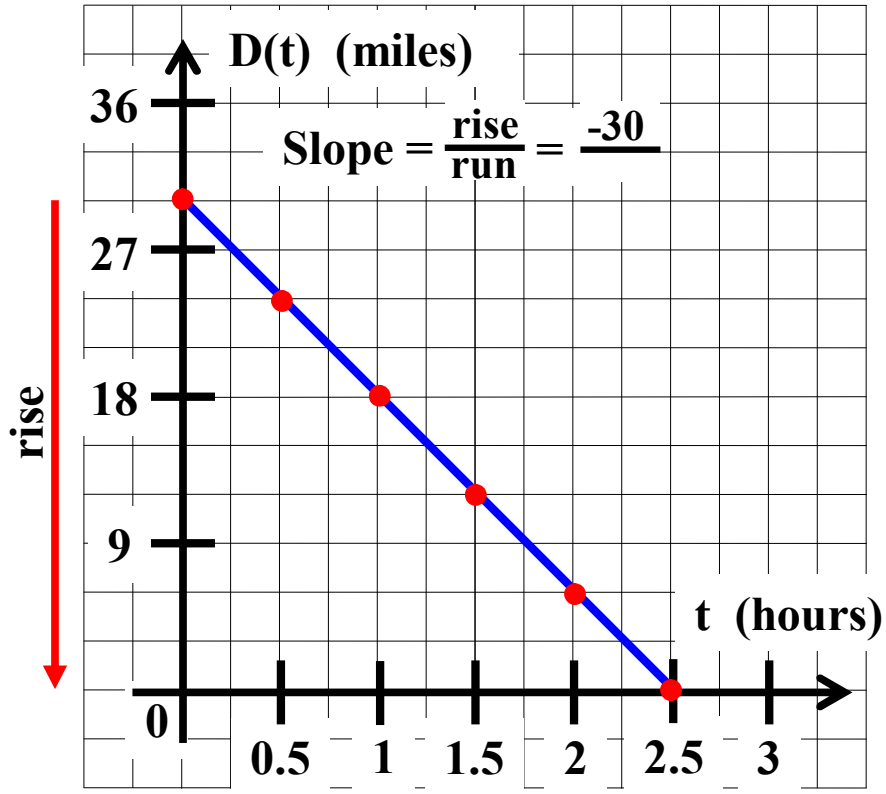

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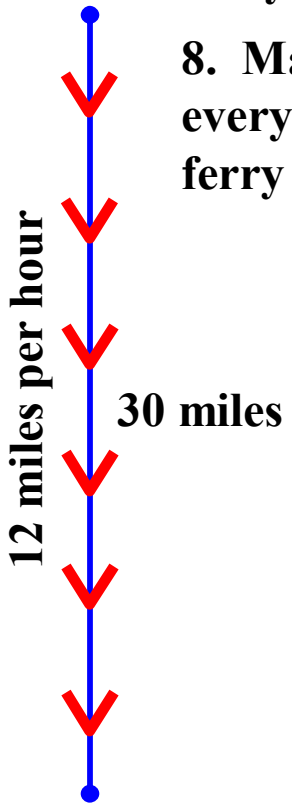

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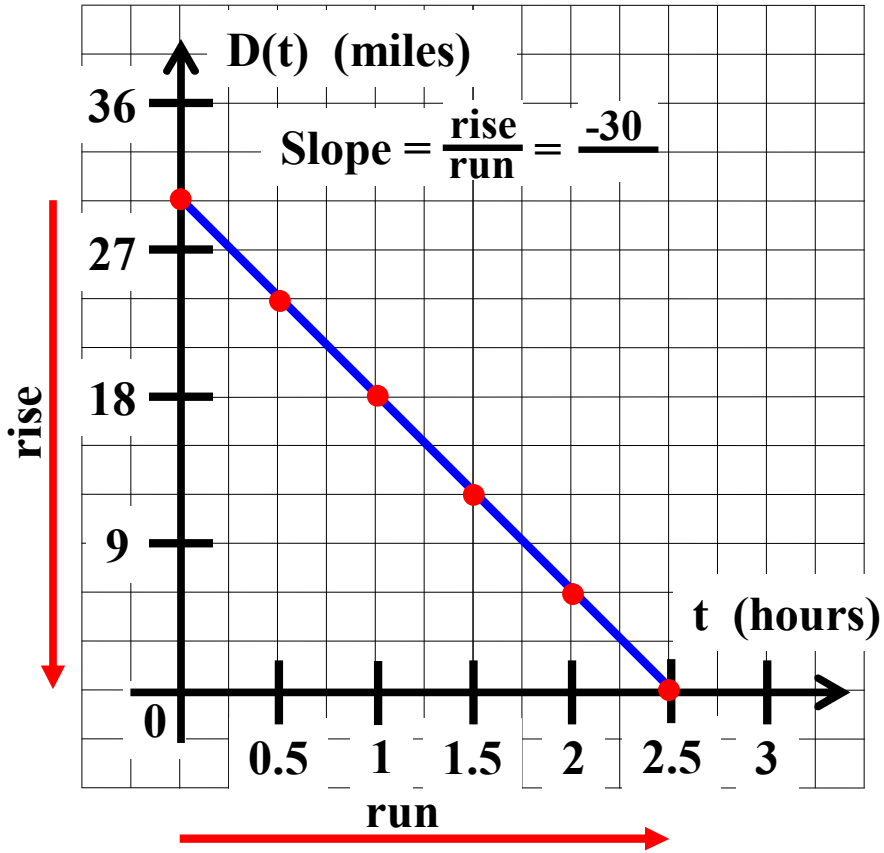

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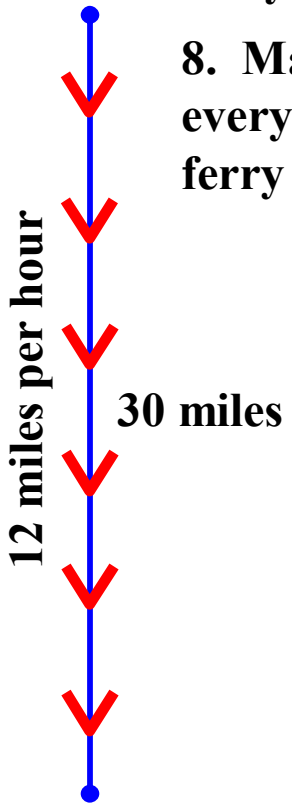

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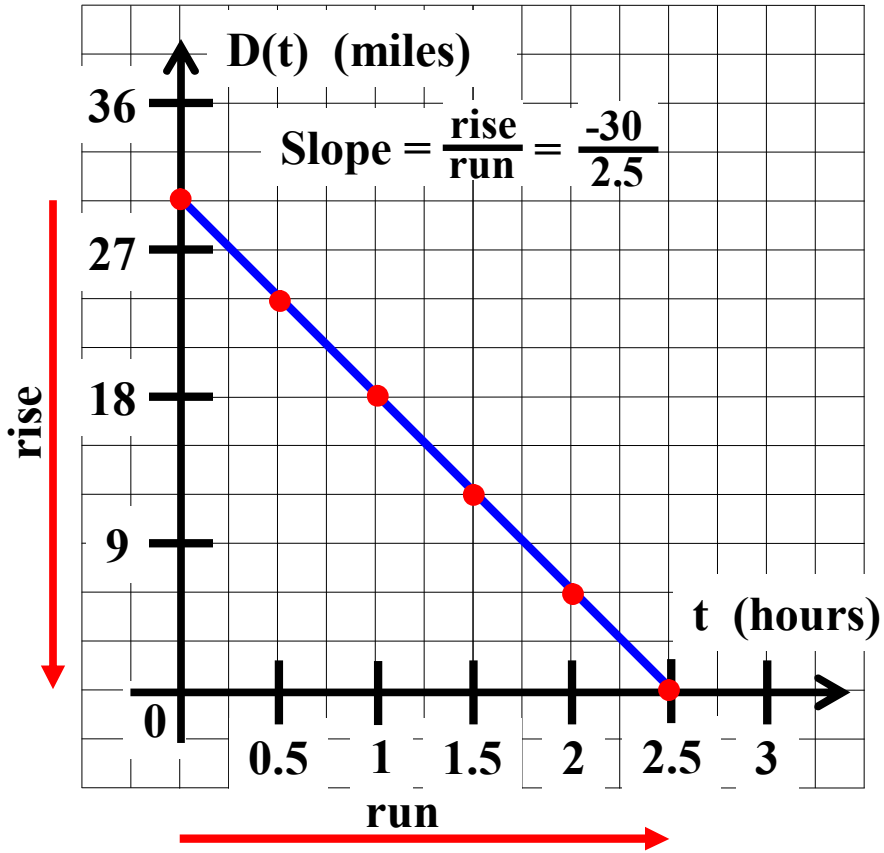

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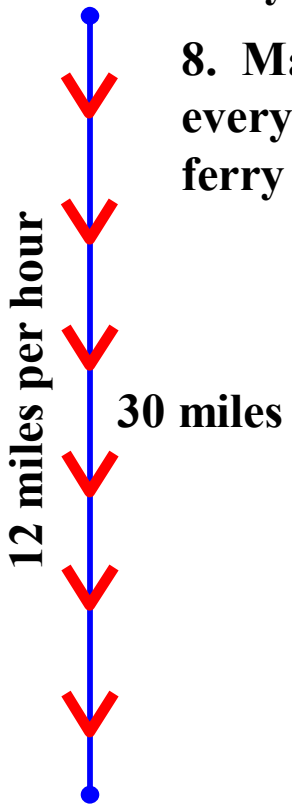

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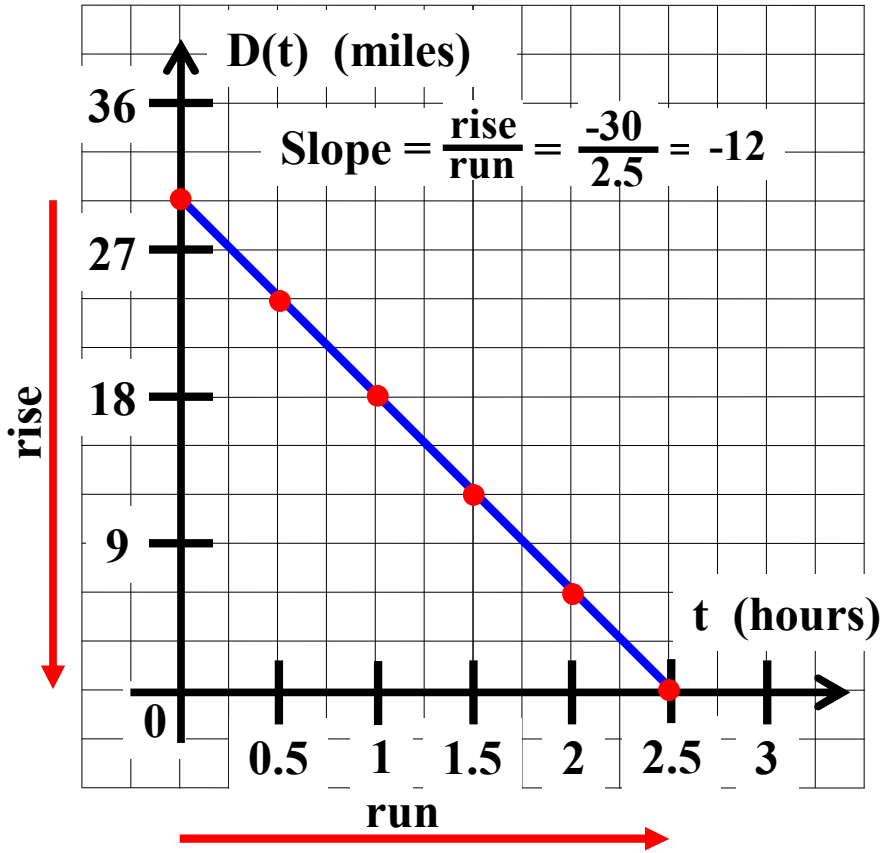

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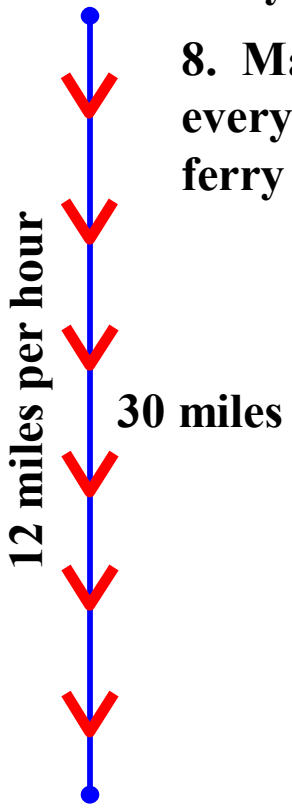

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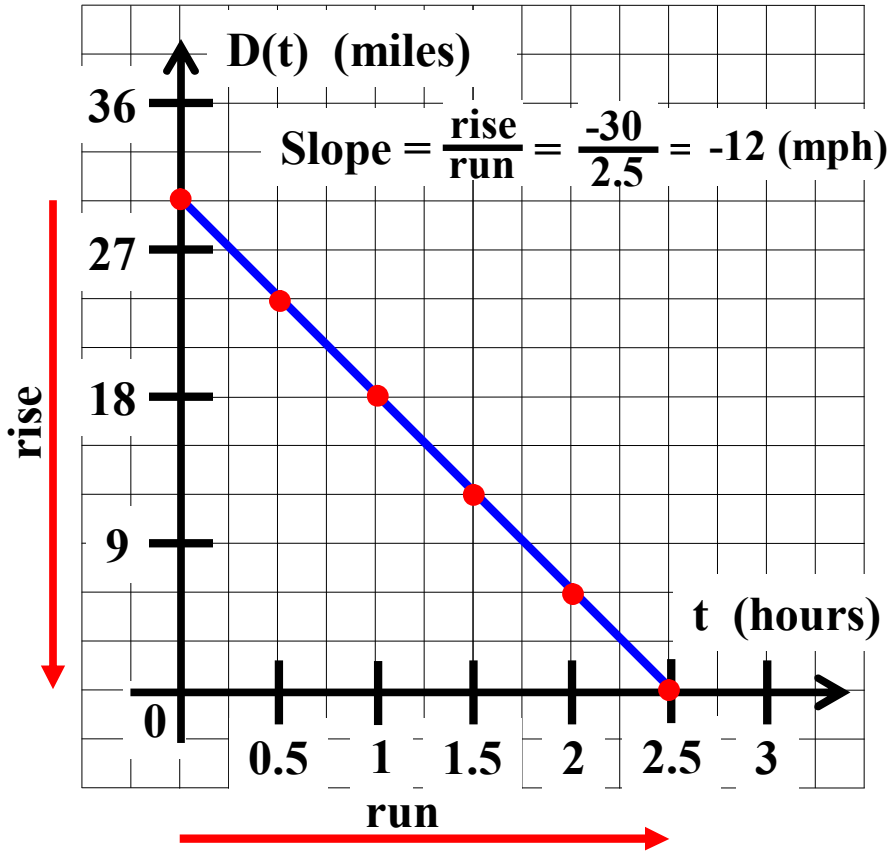

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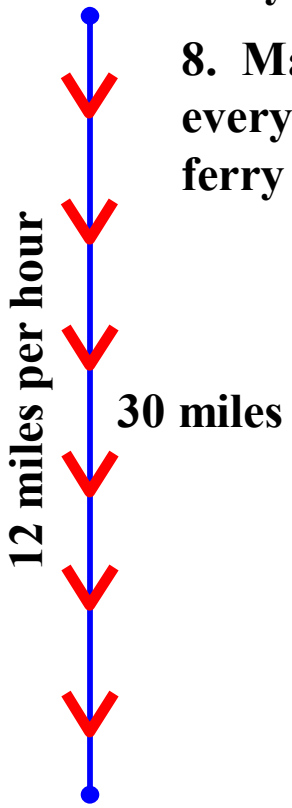

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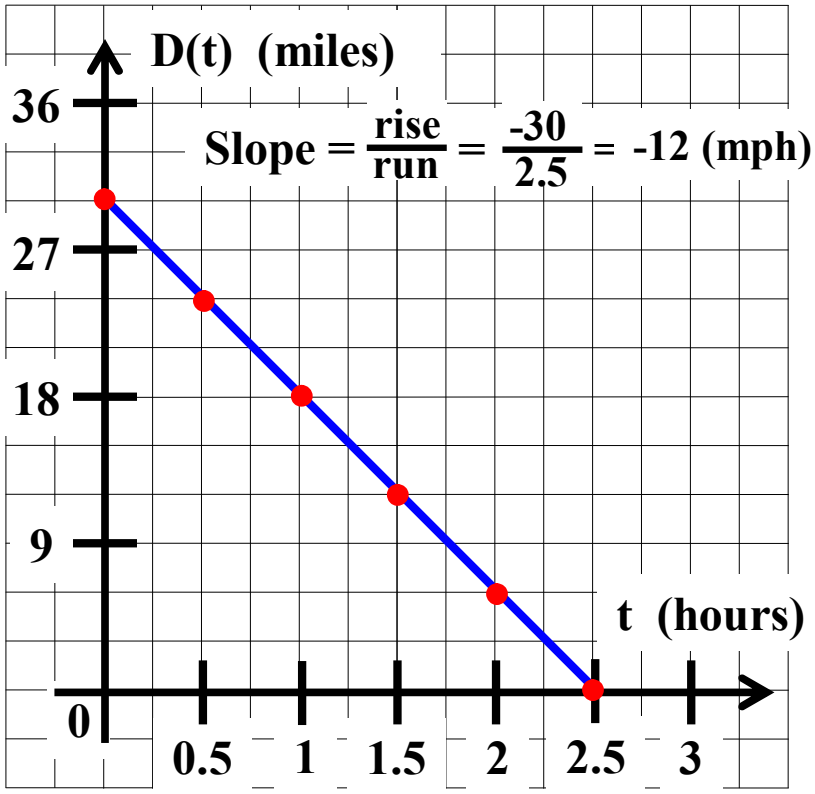

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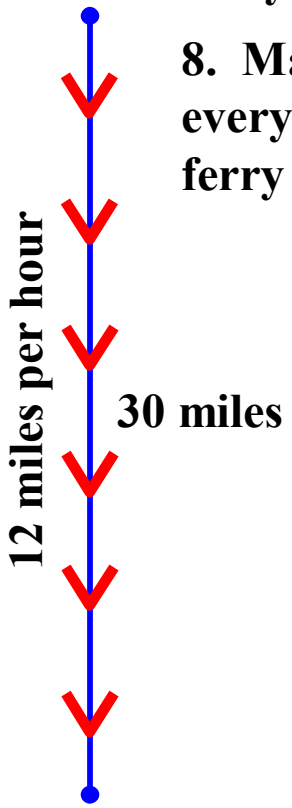

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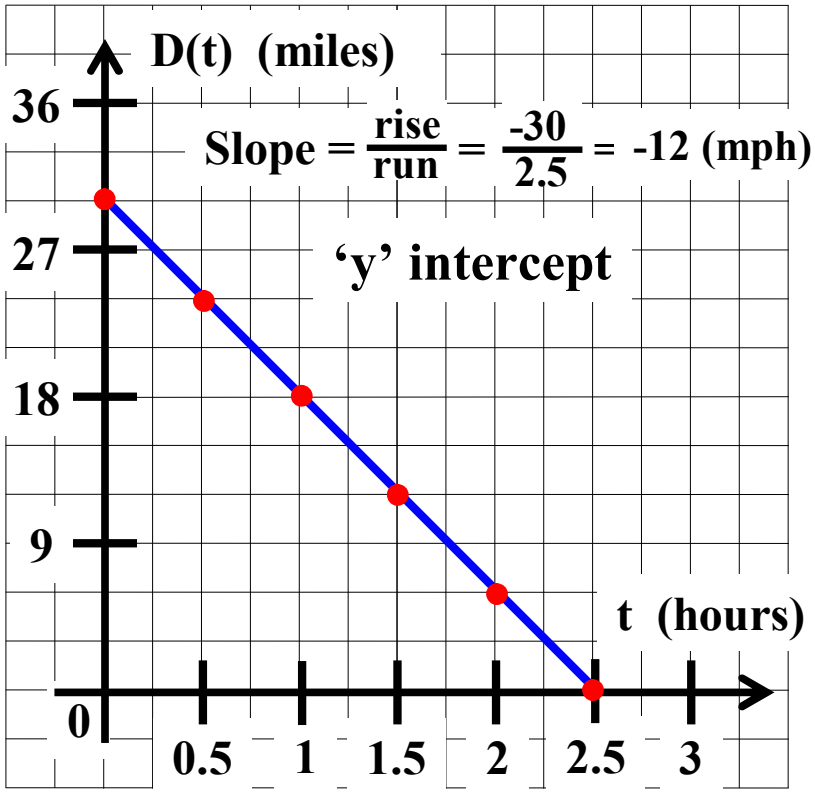

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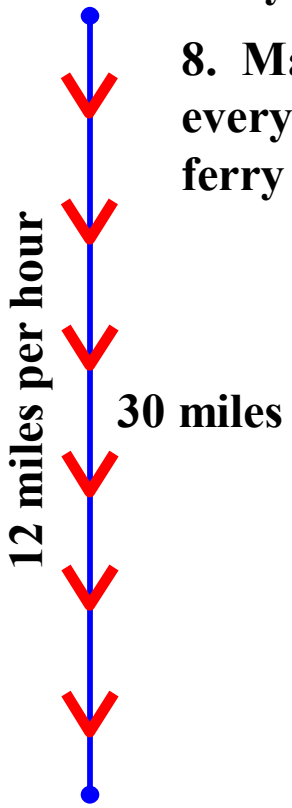

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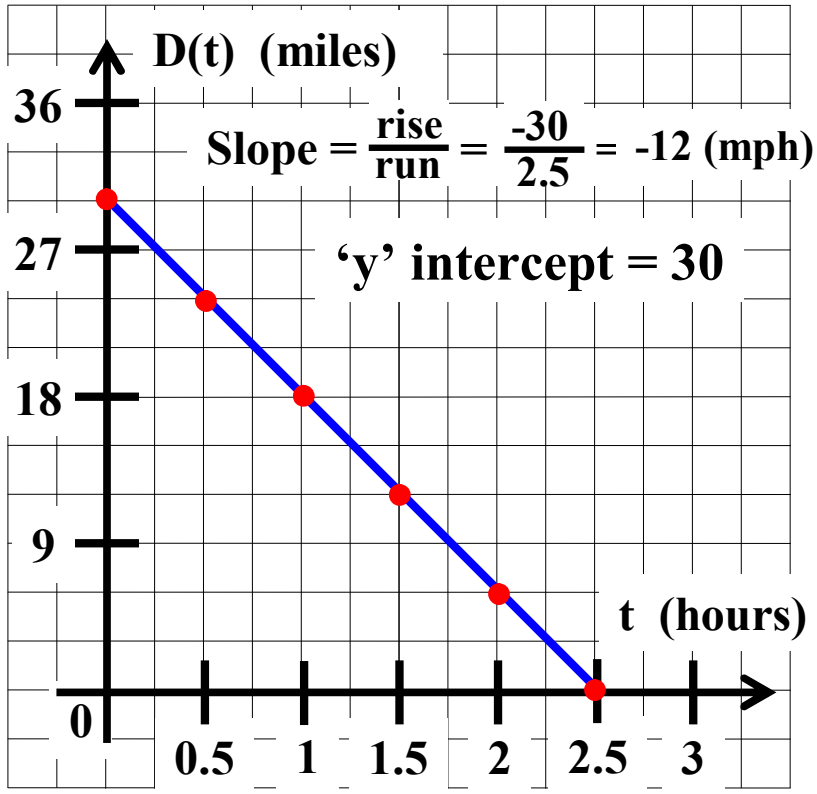

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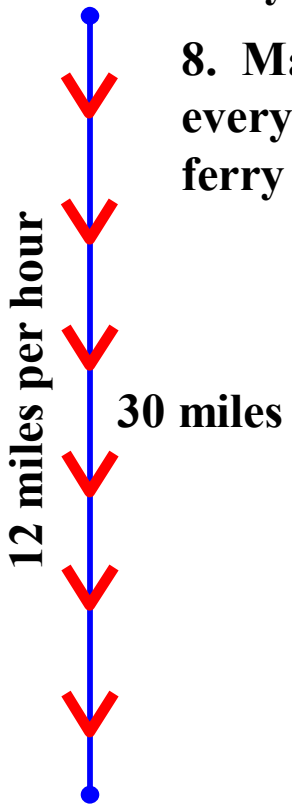

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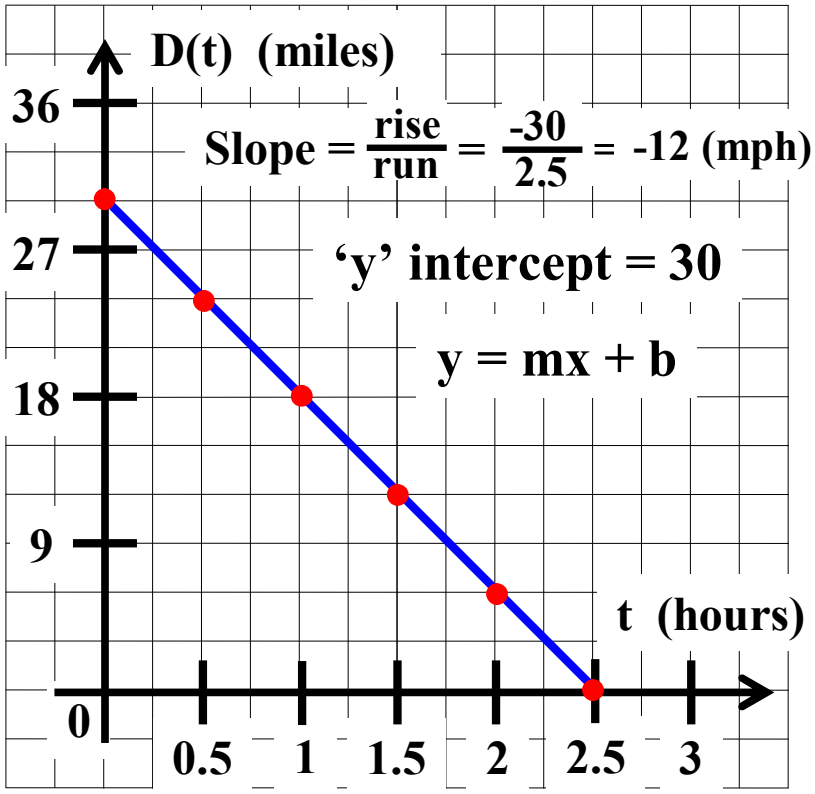

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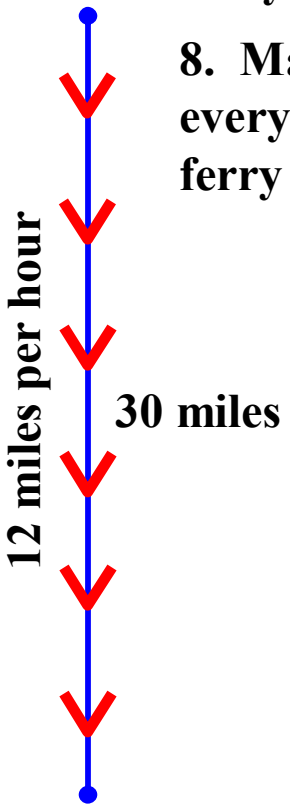

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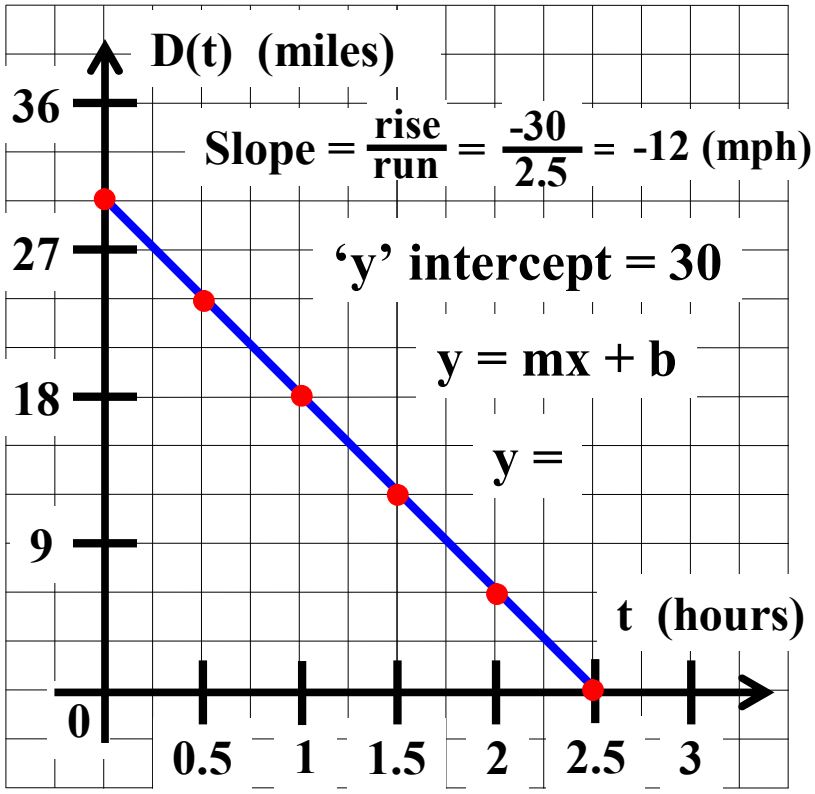

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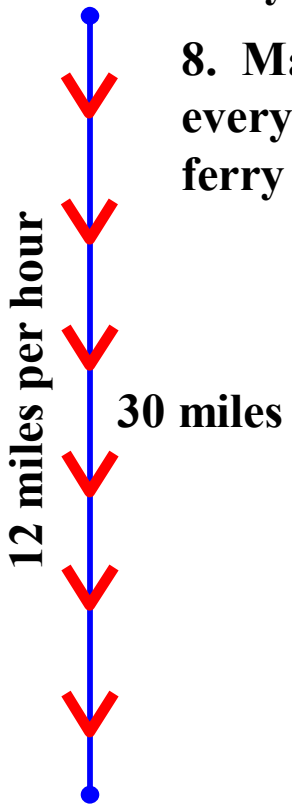

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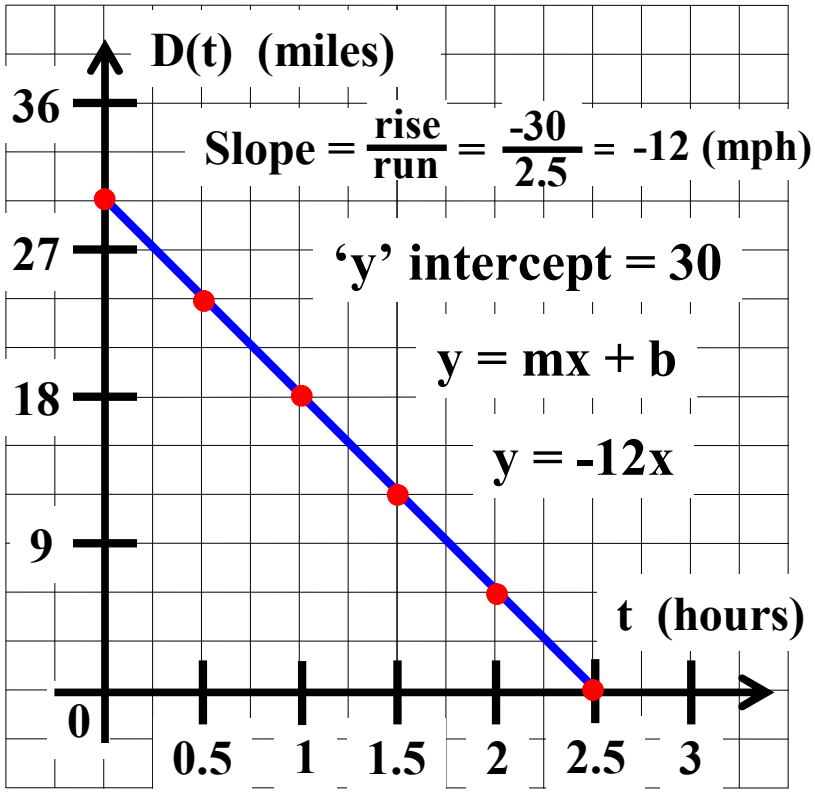

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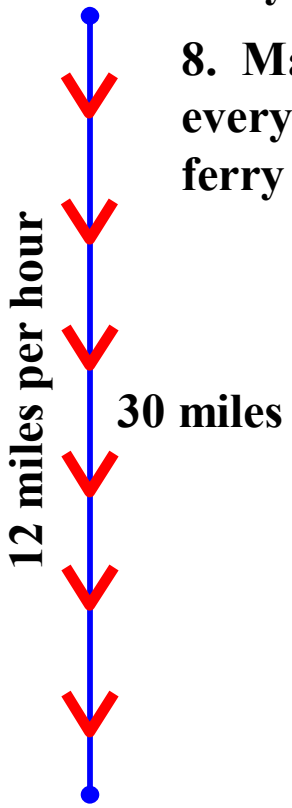

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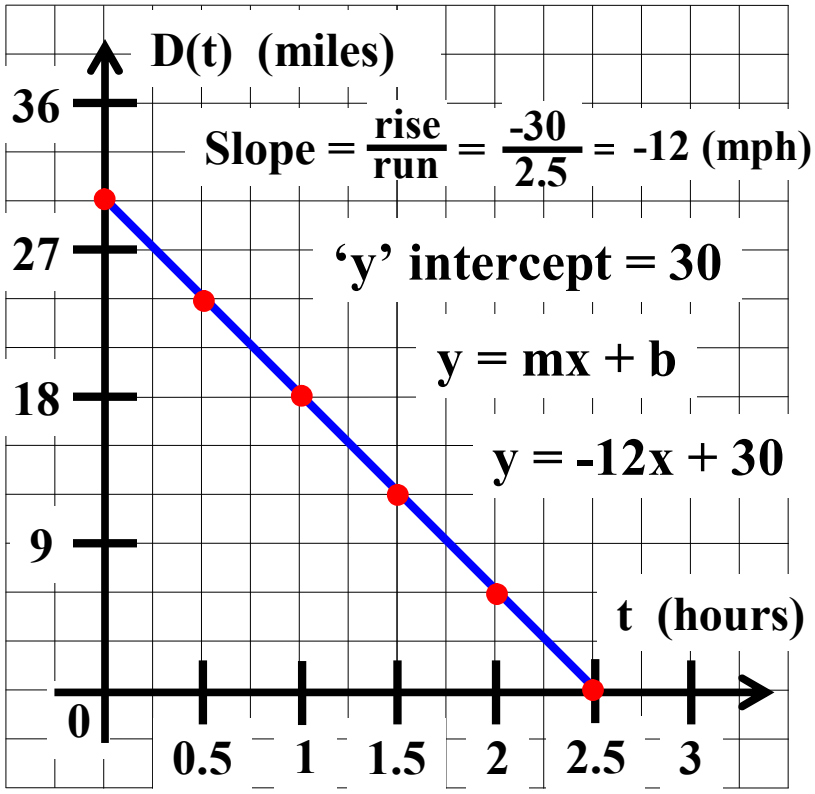

10. Write an equation giving D(t) in terms of t.

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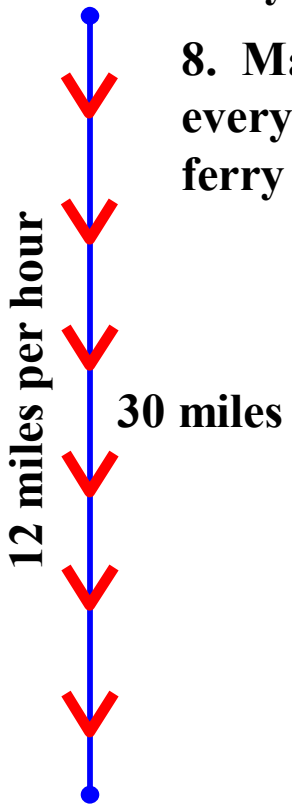

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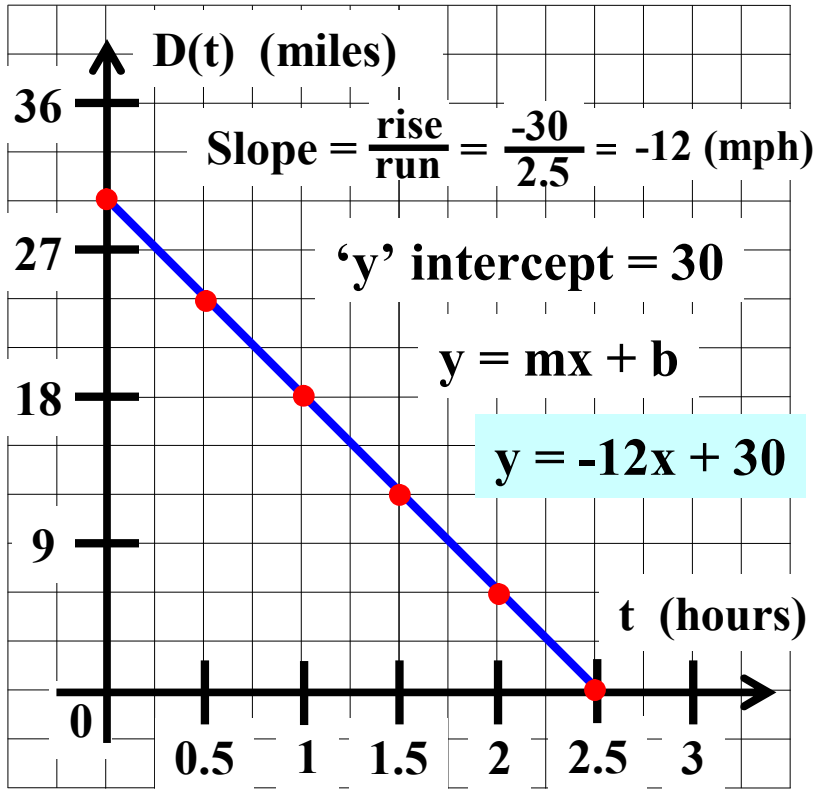

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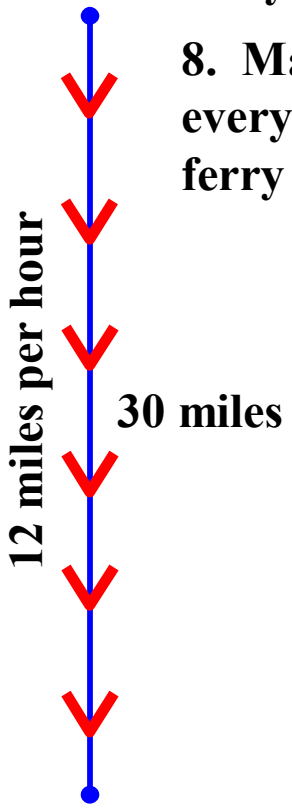

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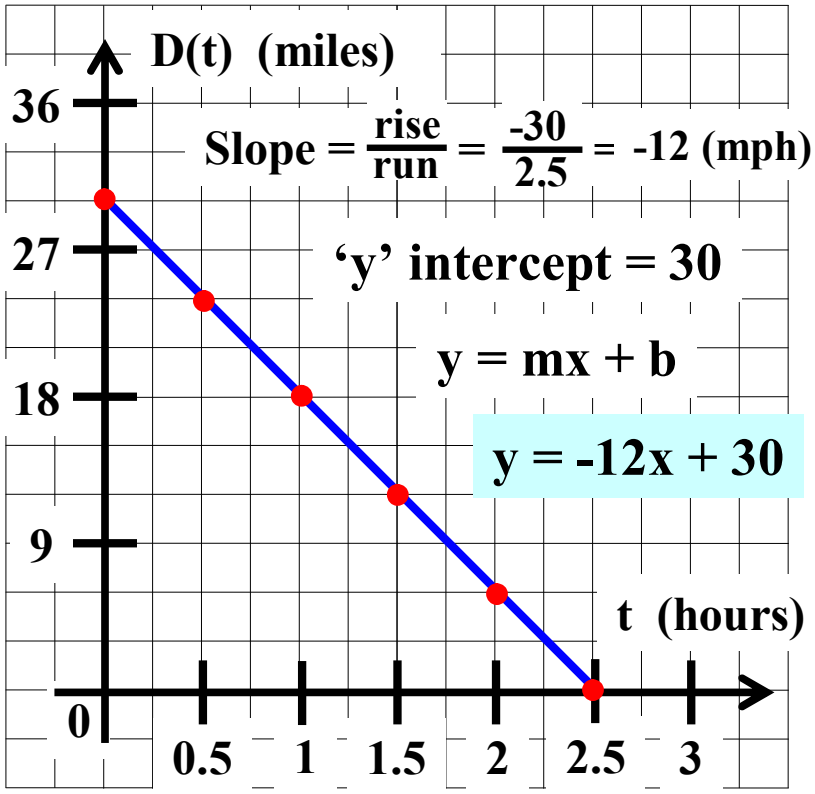

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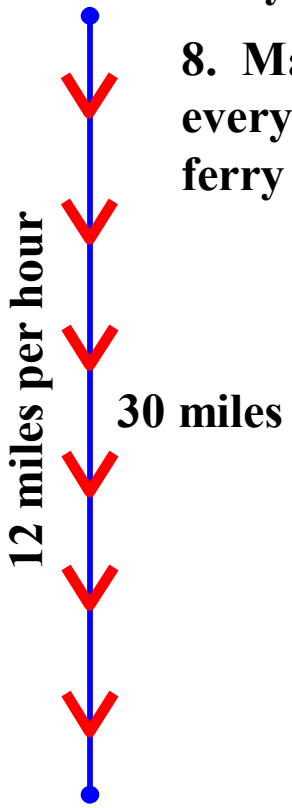

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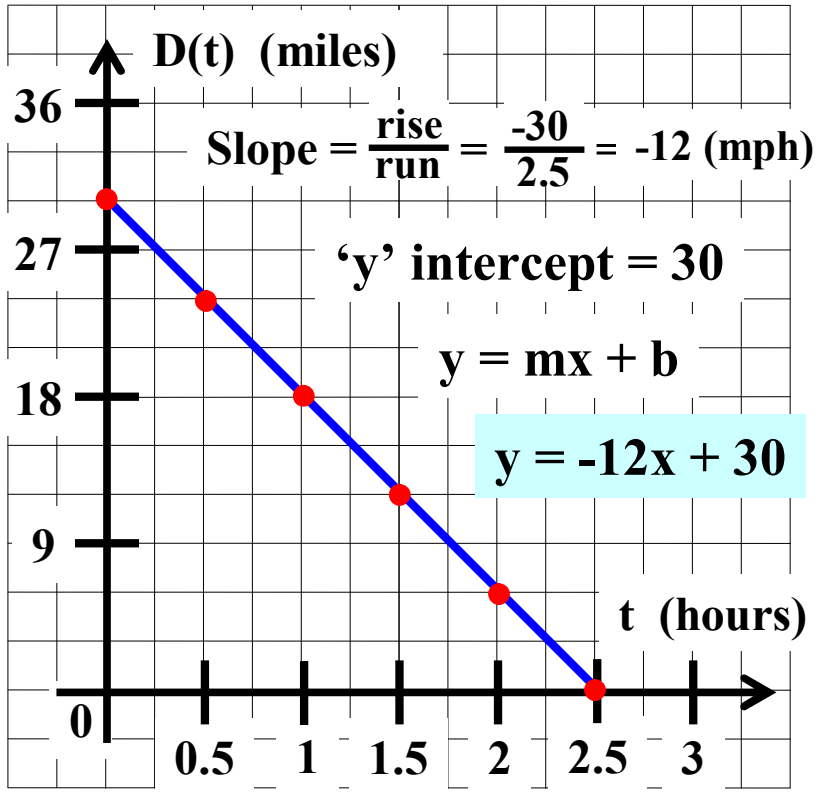

10. Write an equation giving D(t) in terms of t. **D(t) =**

General Algebra II CWS #4 Unit 6

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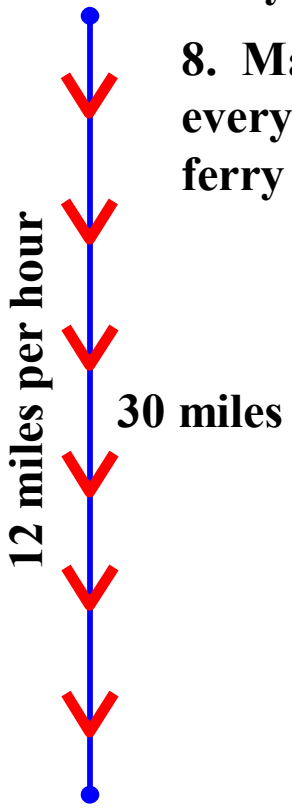

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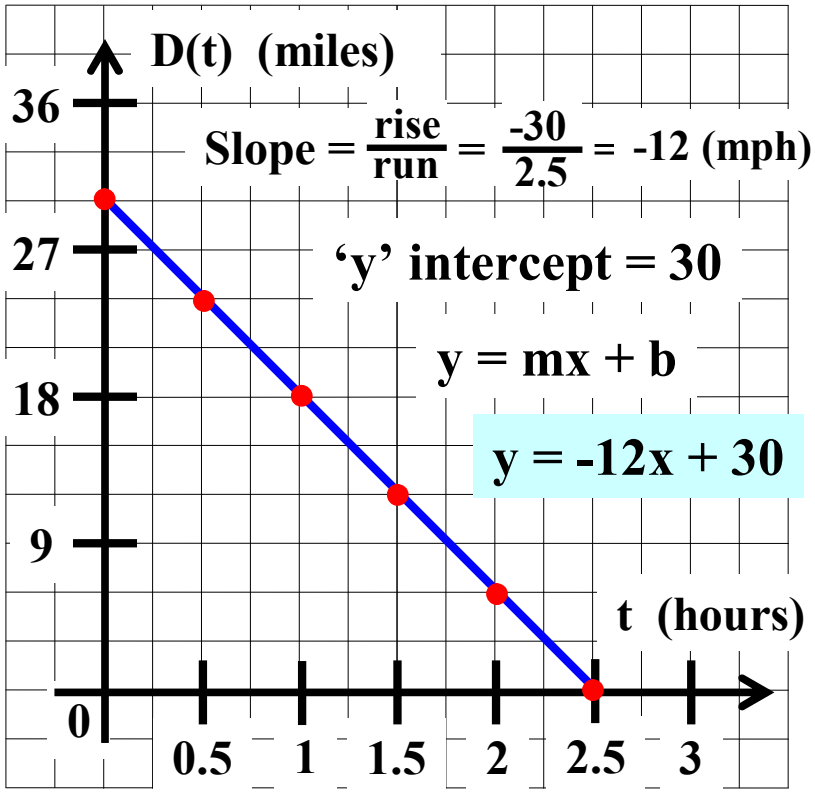

10. Write an equation giving D(t) in terms of t. $D(t) = -12t$

General Algebra II CWS #4 Unit 6

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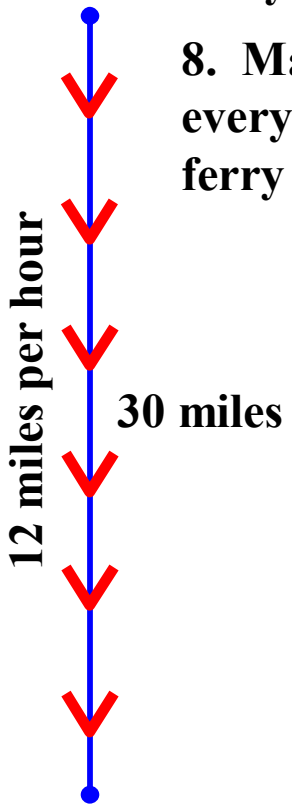

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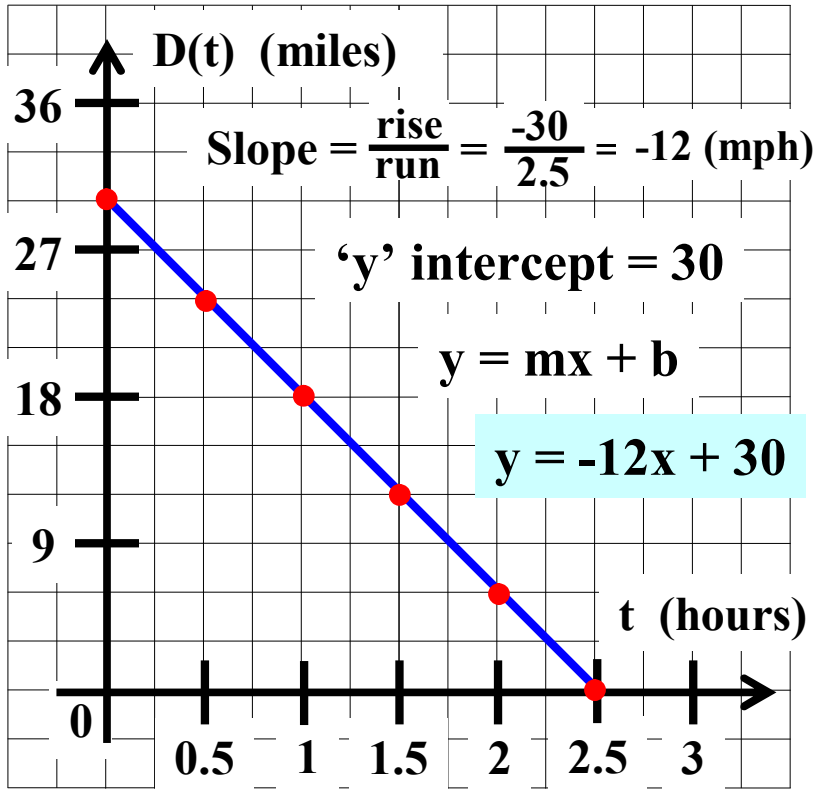

10. Write an equation giving D(t) in terms of t. $D(t) = -12t + 30$

General Algebra II CWS #4 Unit 6

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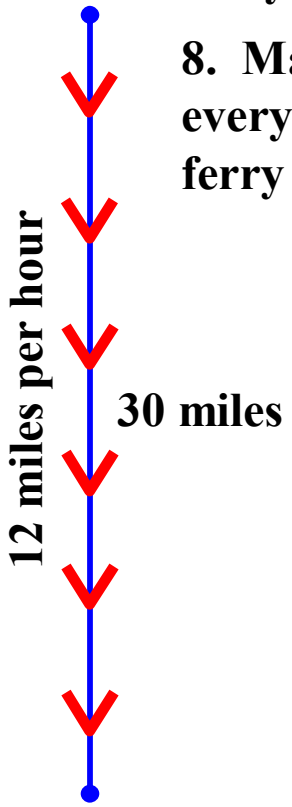

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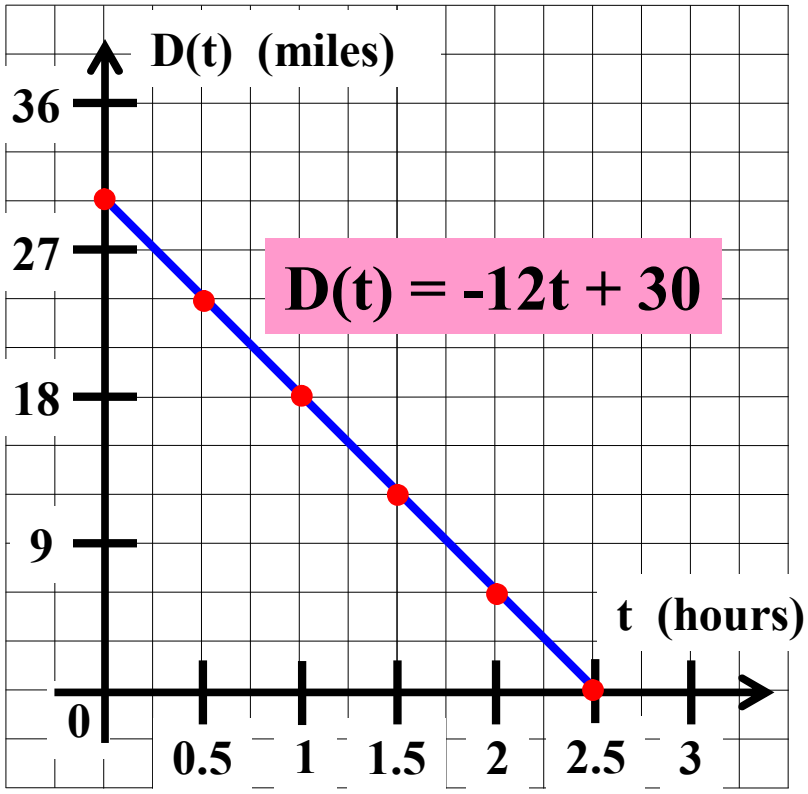

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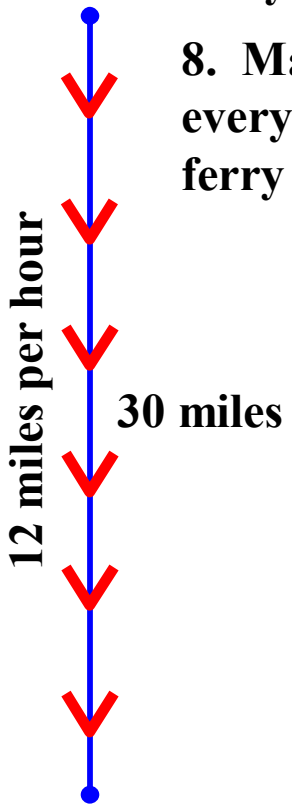

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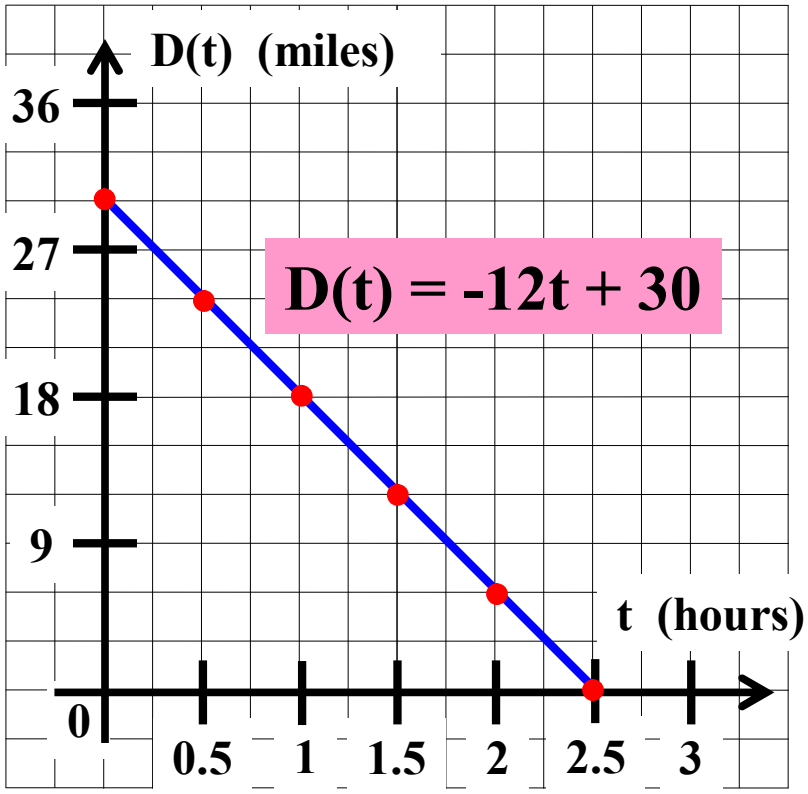

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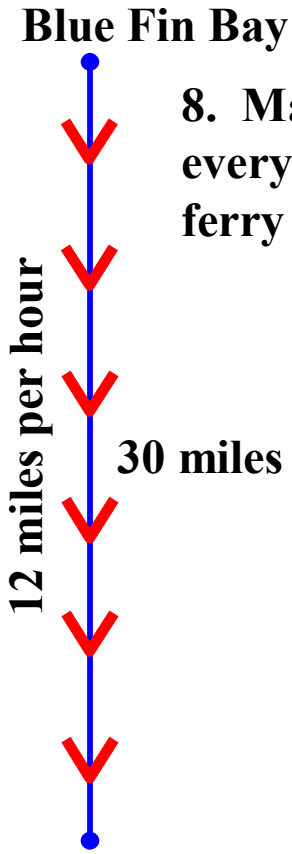

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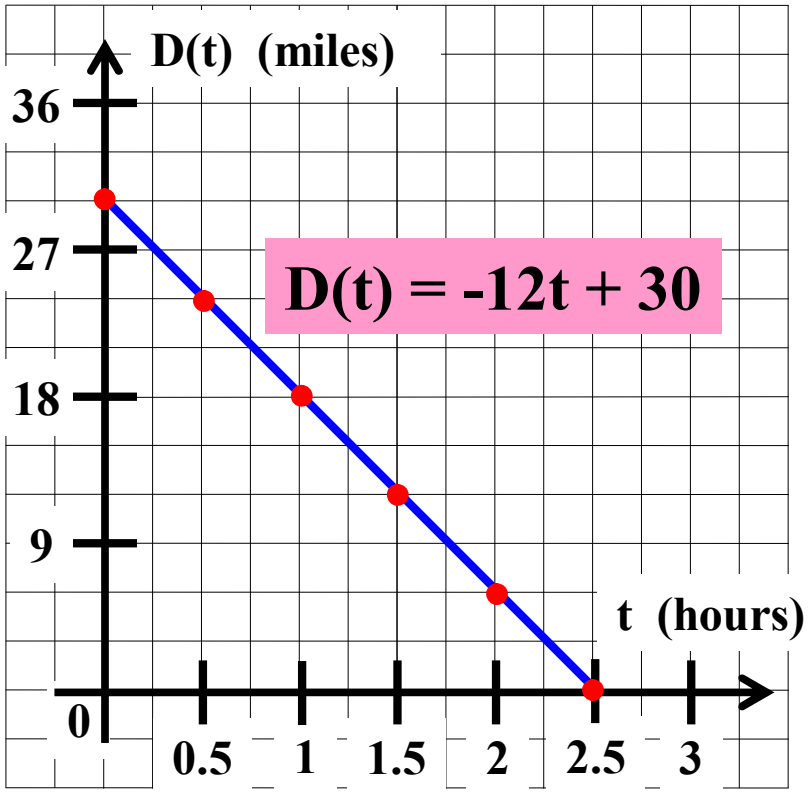

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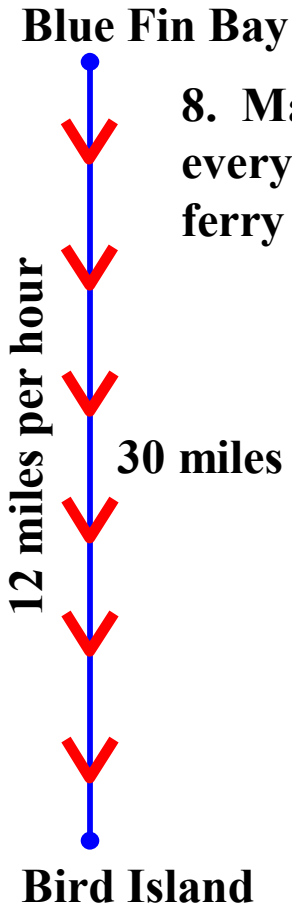

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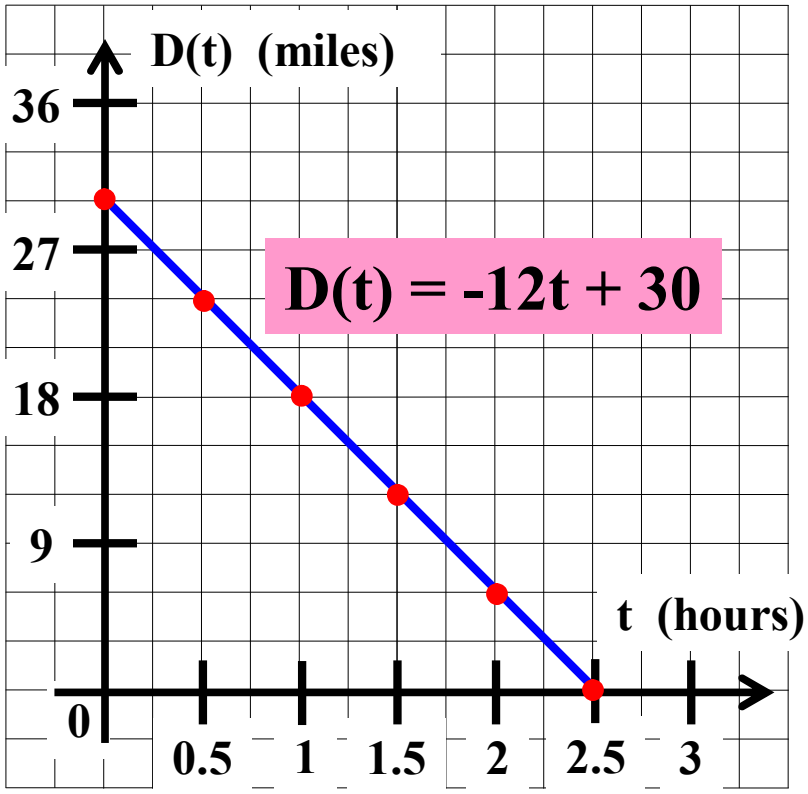

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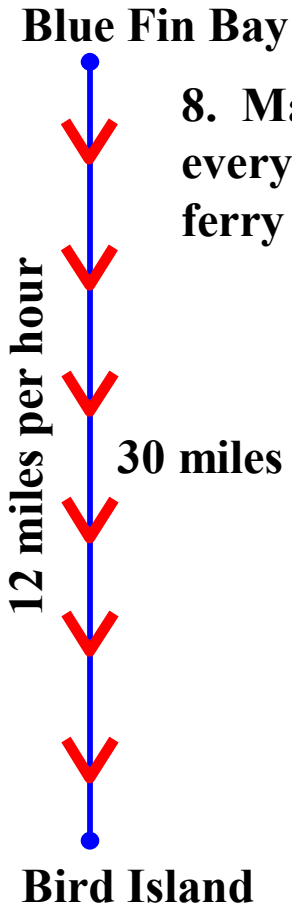

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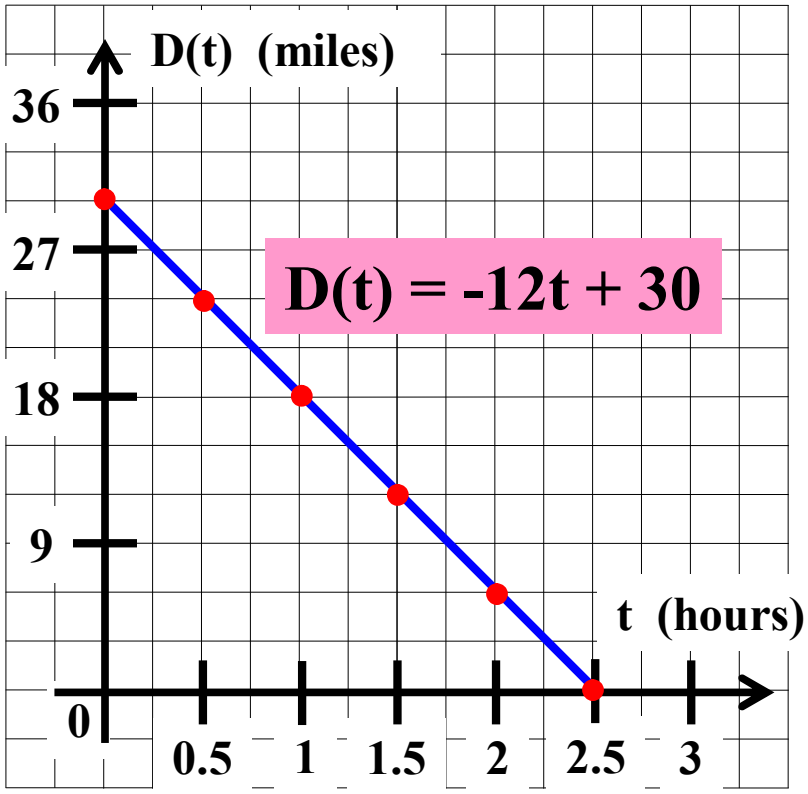

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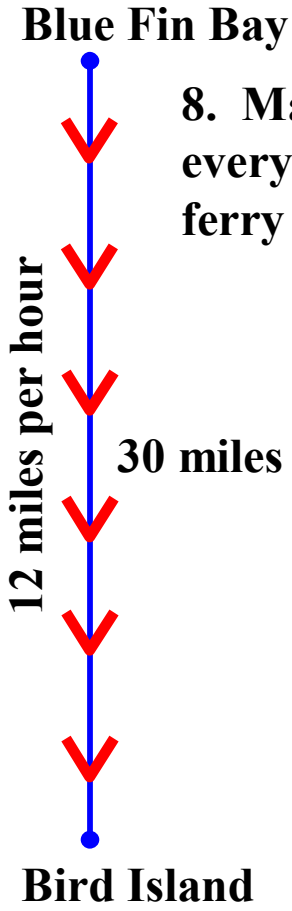

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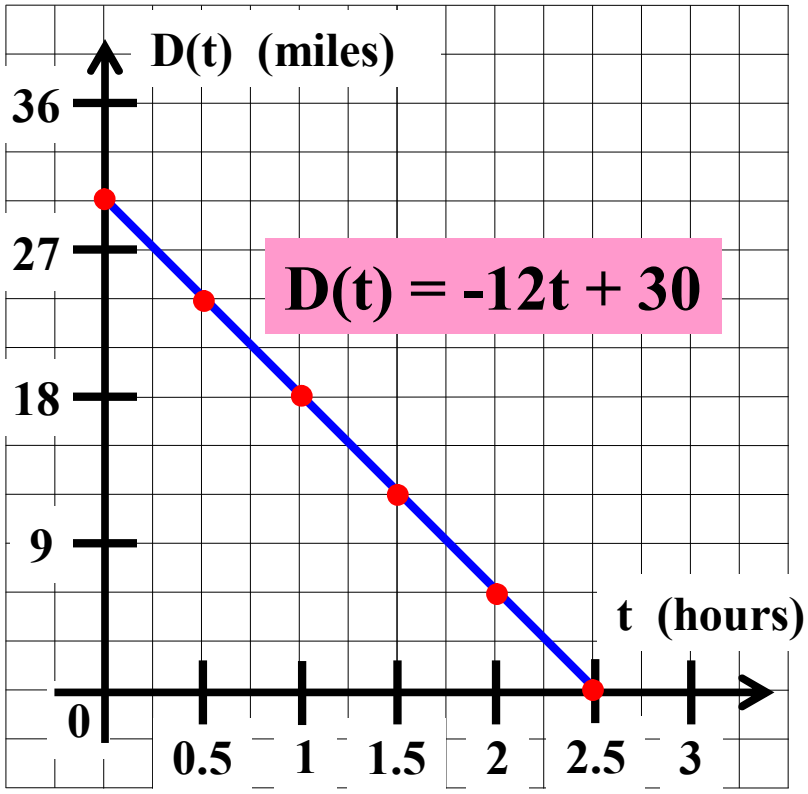

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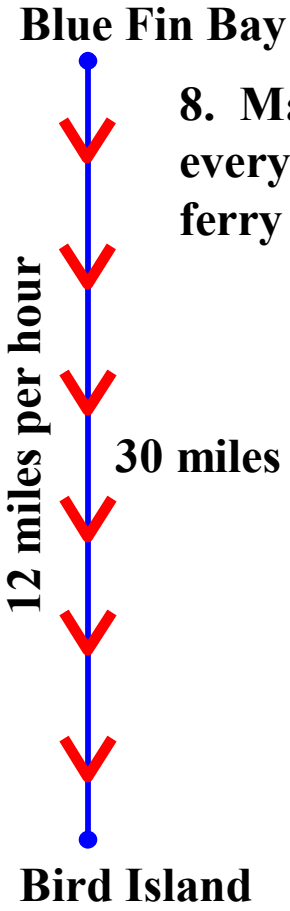

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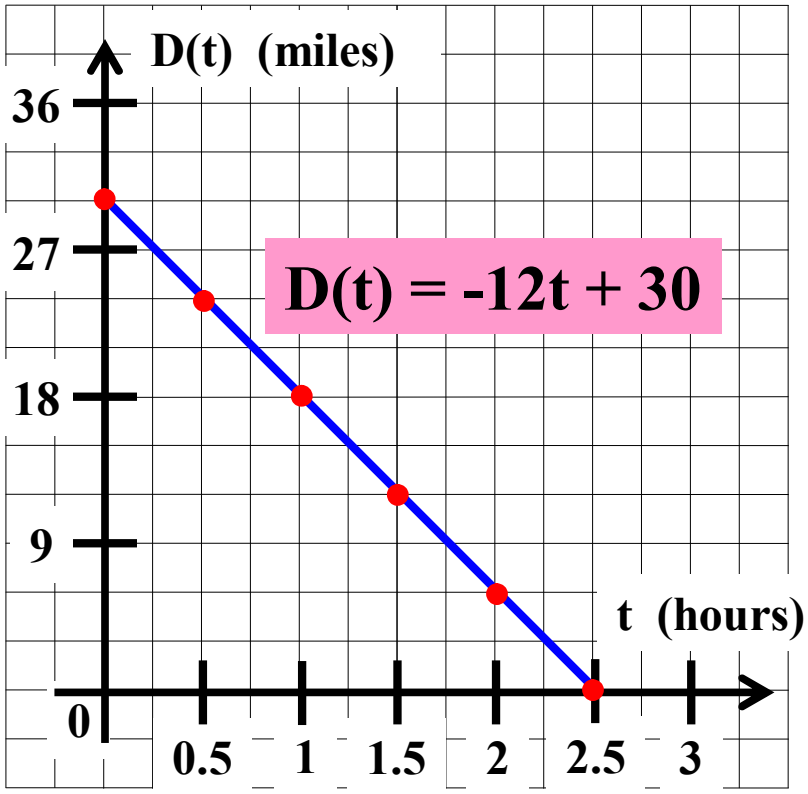

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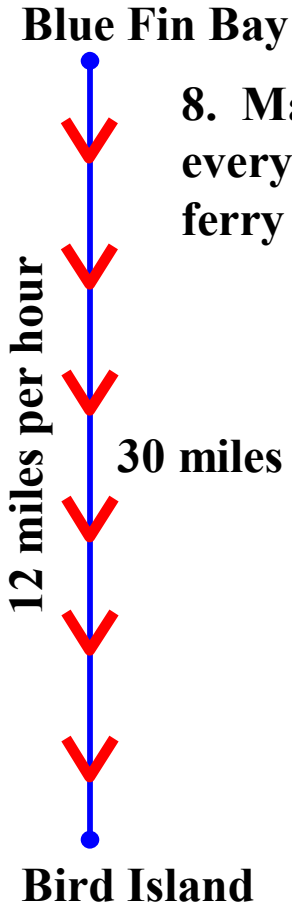

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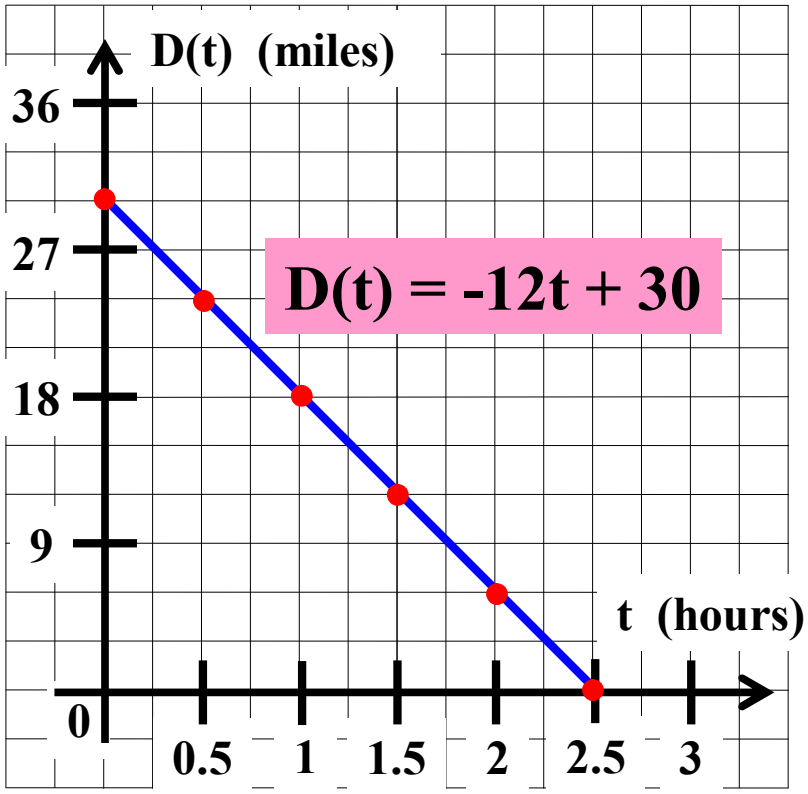

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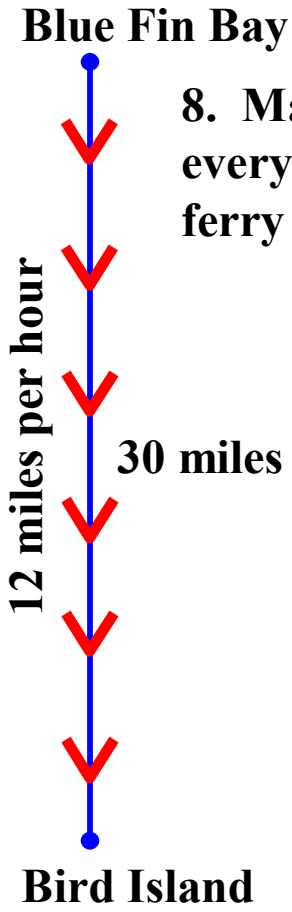

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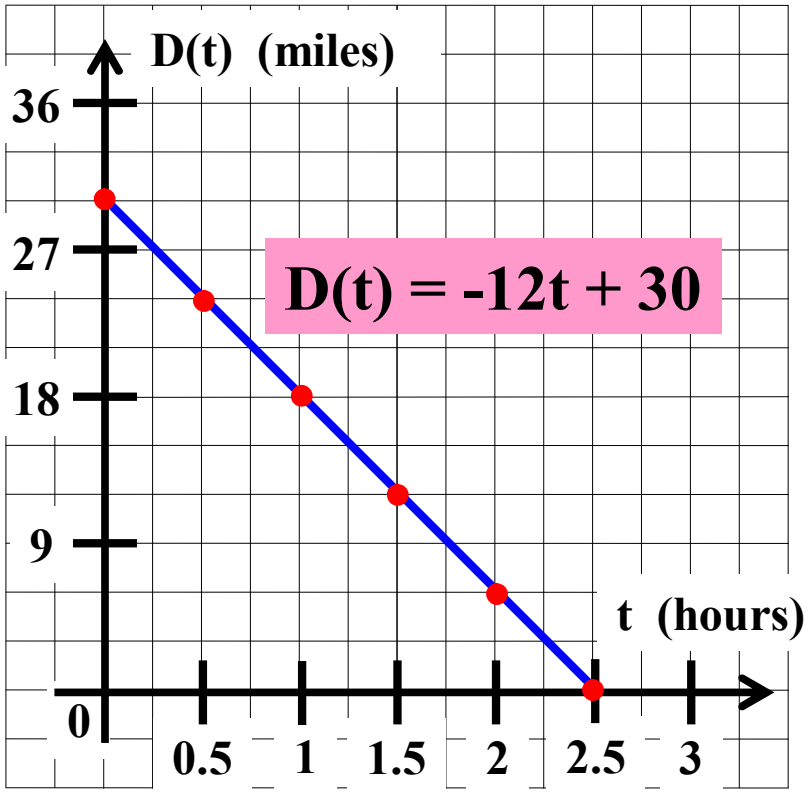

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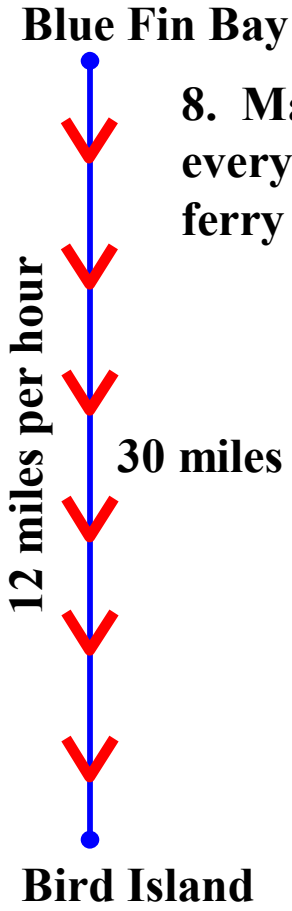

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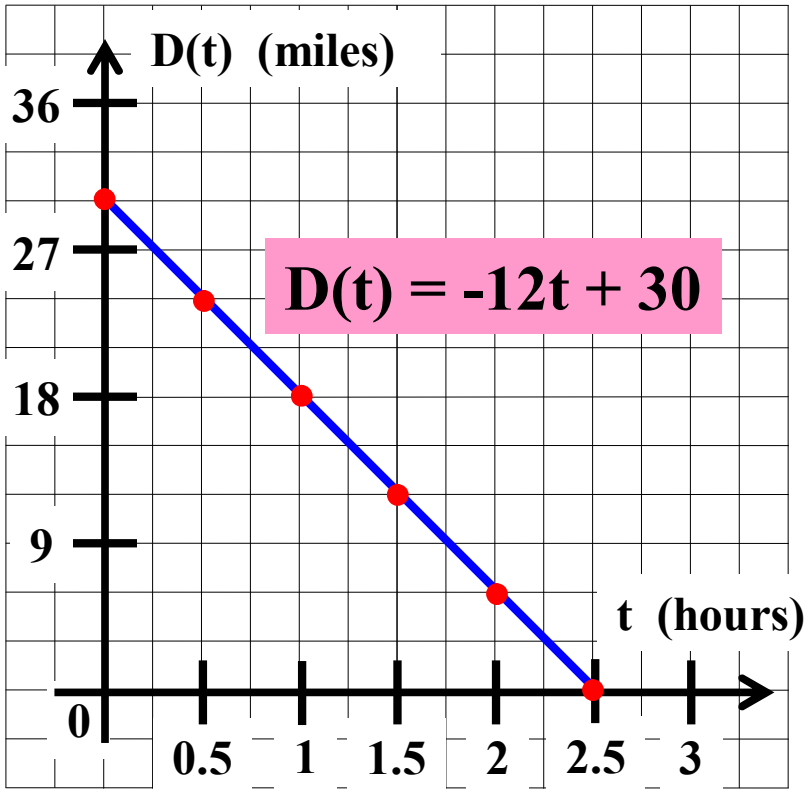

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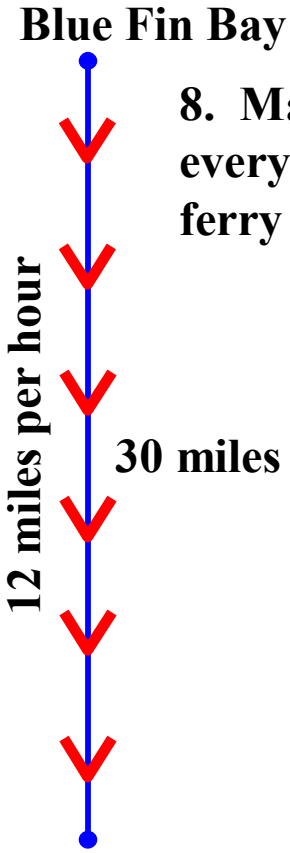

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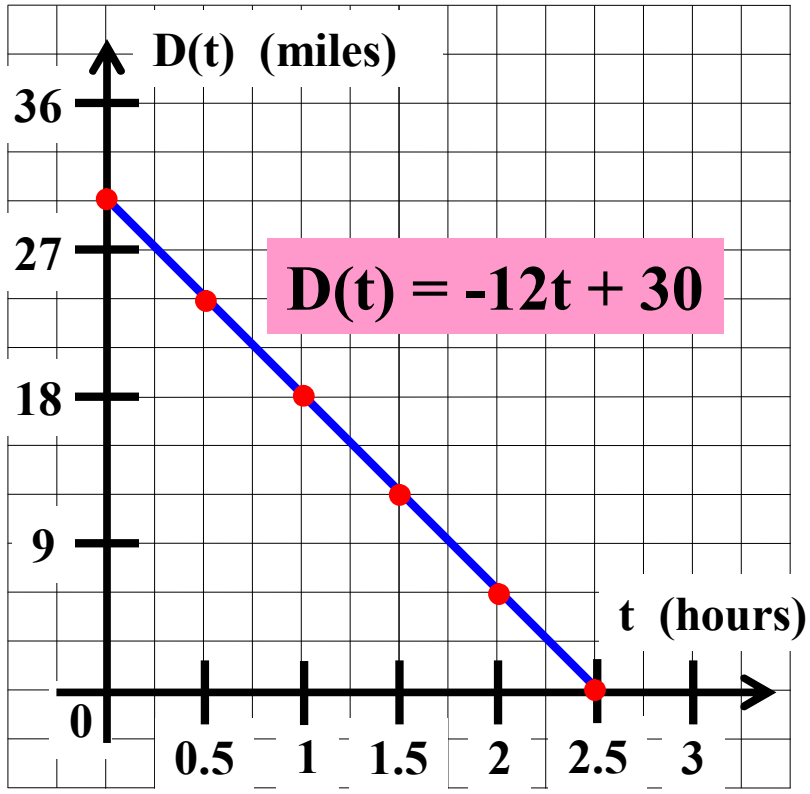

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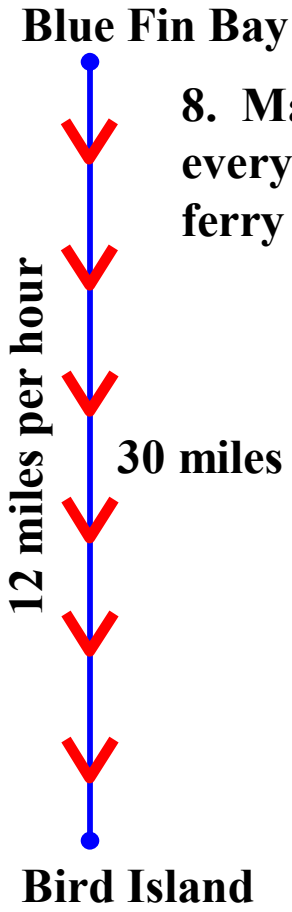

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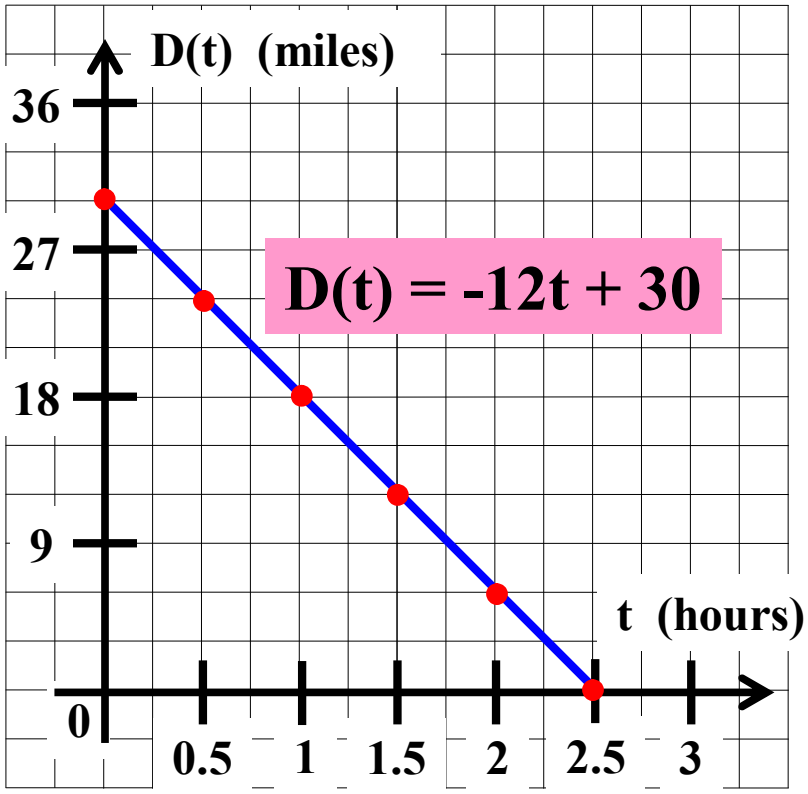

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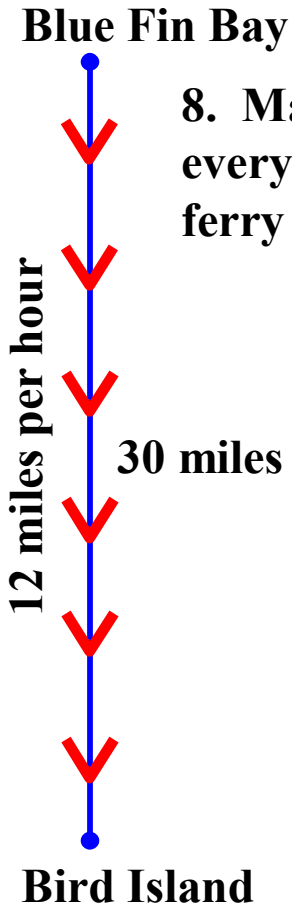
General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

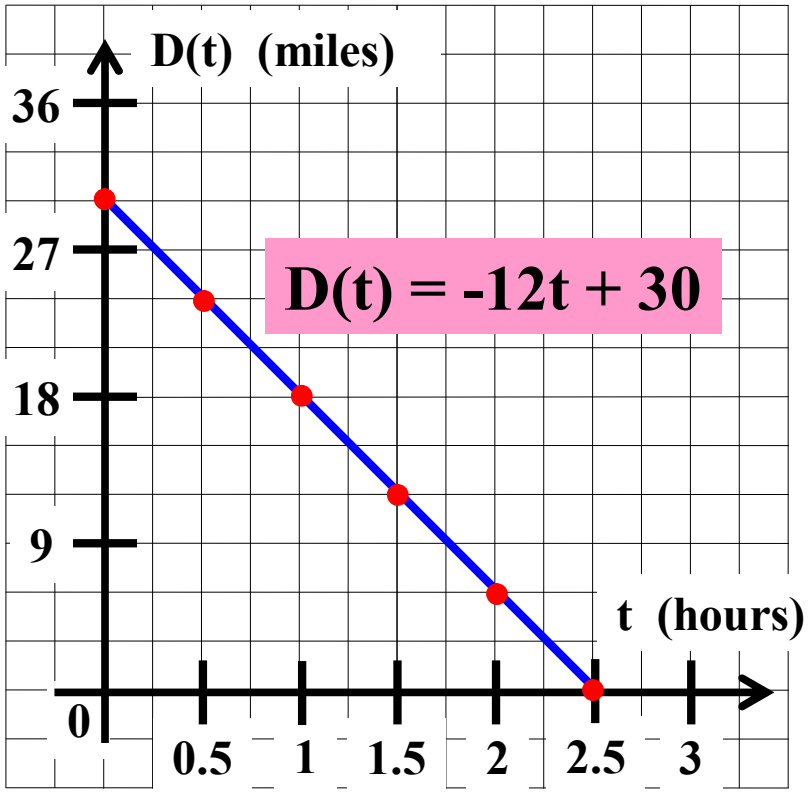


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

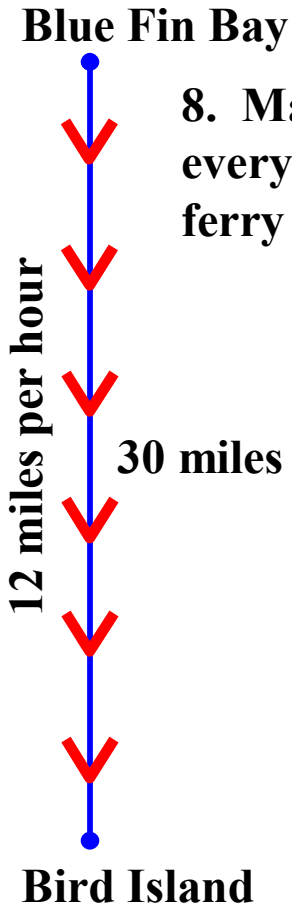
9. Graph function D.



11. What is the range of function D? _____

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

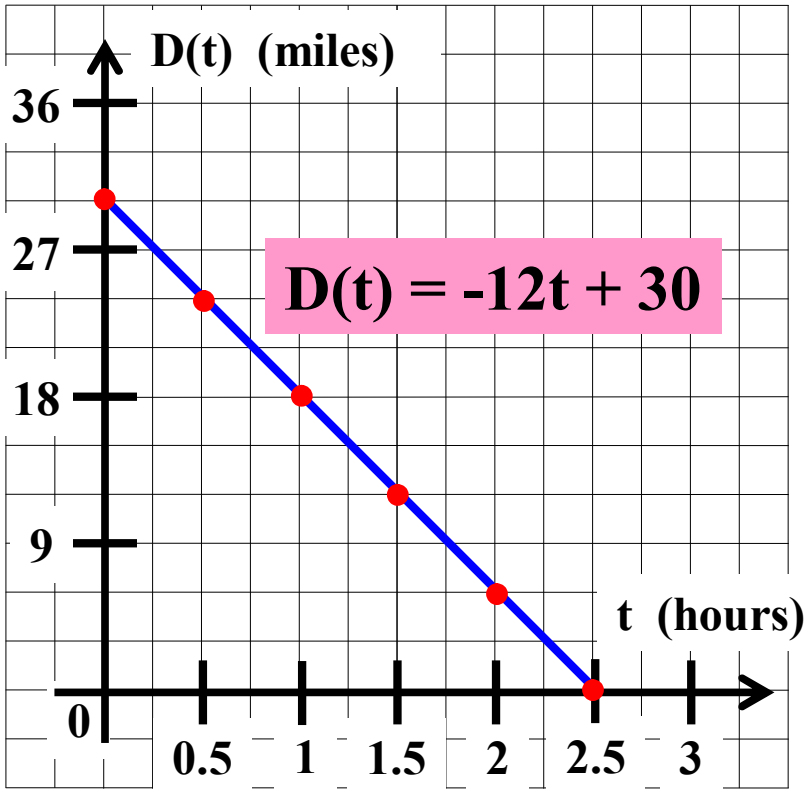


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

9. Graph function D.

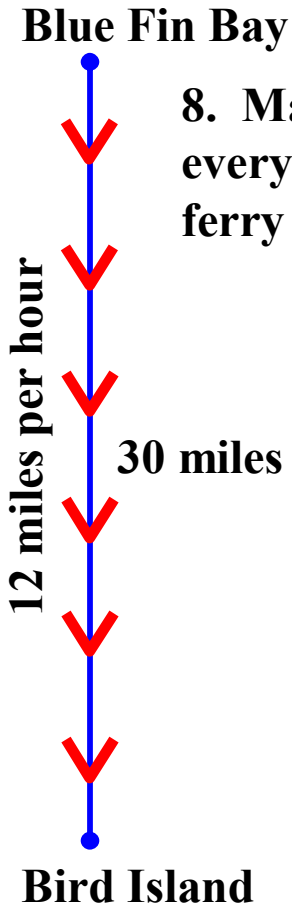


11. What is the range of function D?

[_____

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

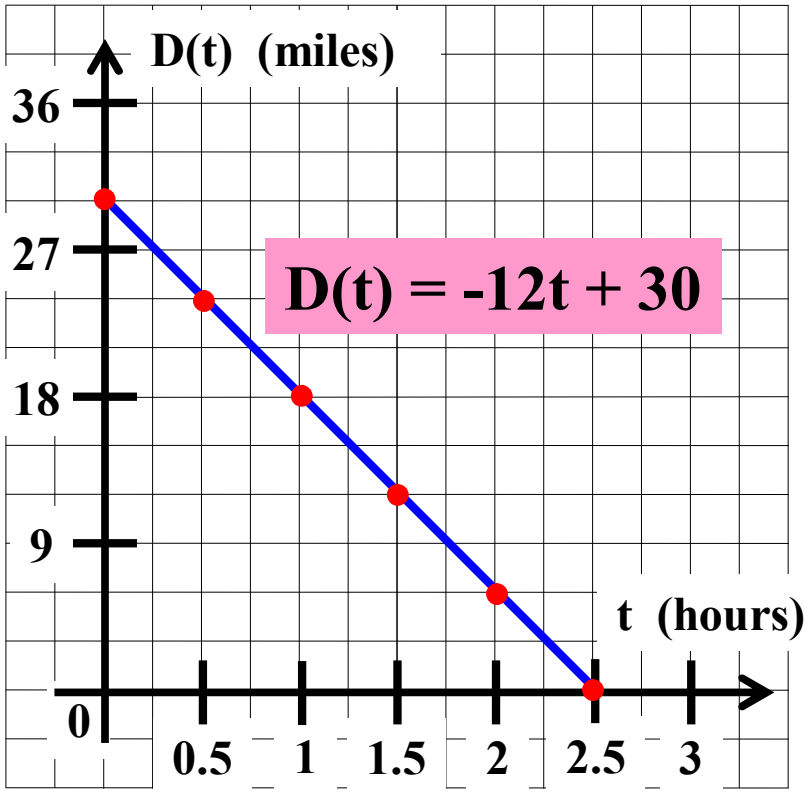


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

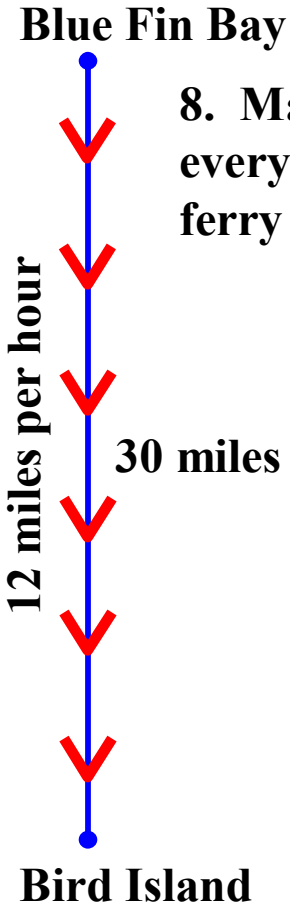
9. Graph function D.



11. What is the range of function D? **[0 _____**

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

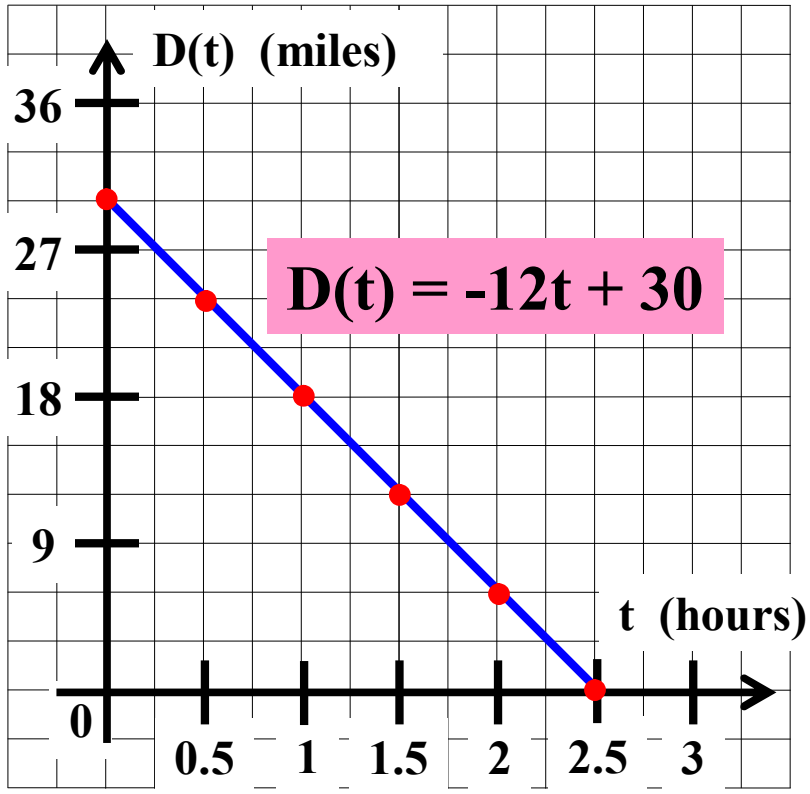


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

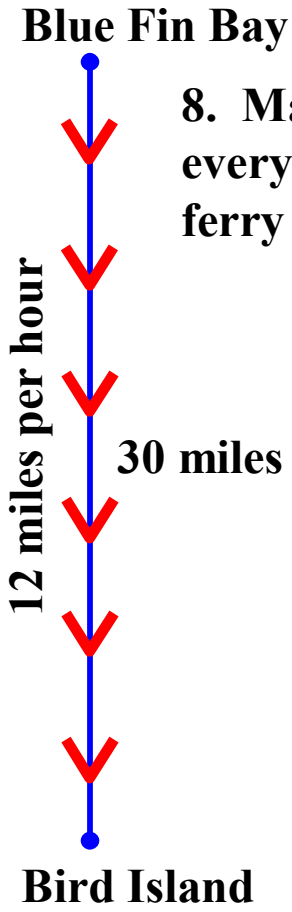
9. Graph function D.



11. What is the range of function D? **[0 , _____**

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

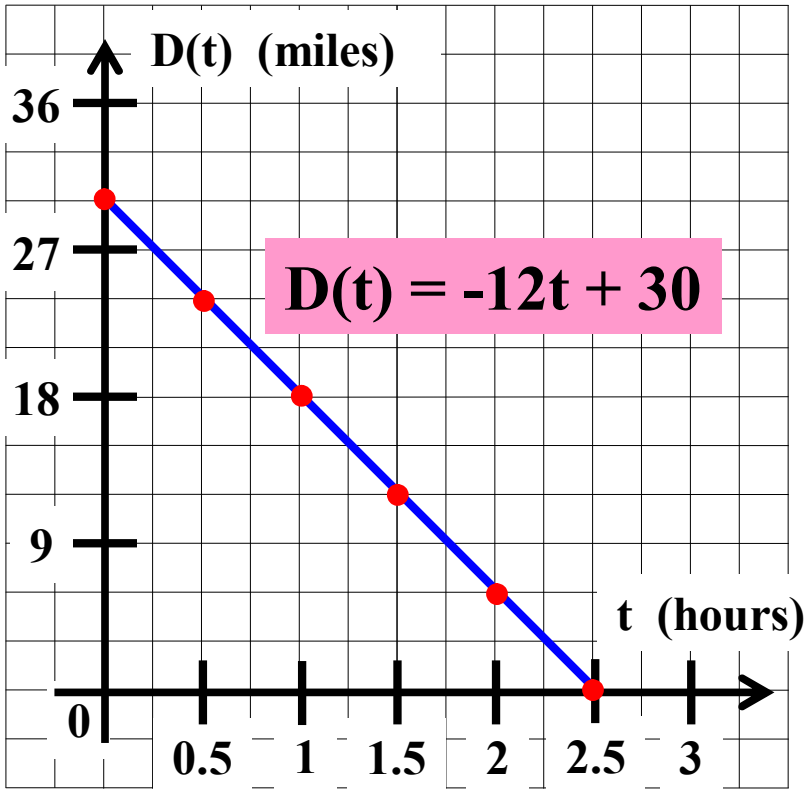


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

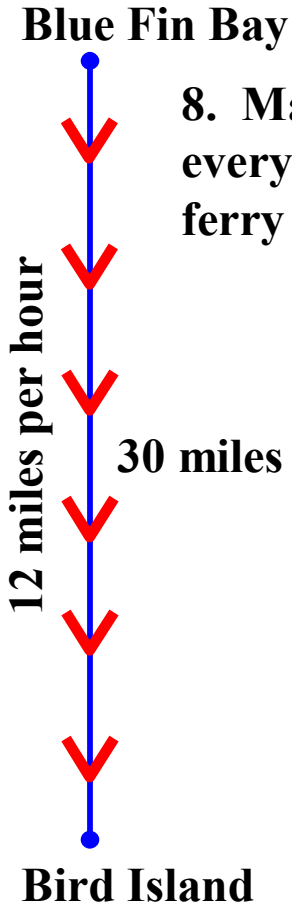
9. Graph function D.



11. What is the range of function D? **[0 , 30**

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

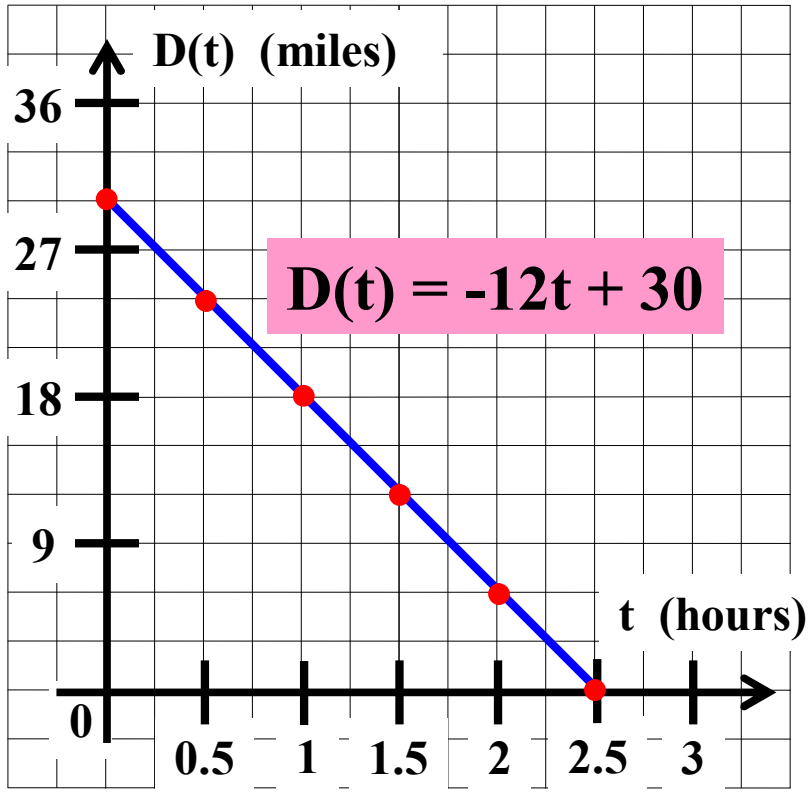


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

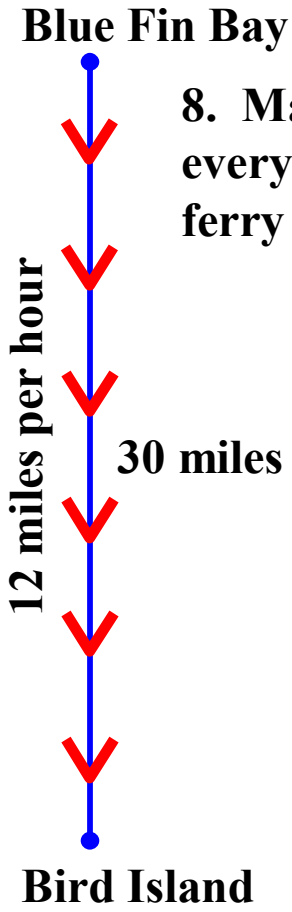
9. Graph function D.



11. What is the range of function D? **[0 , 30]**

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

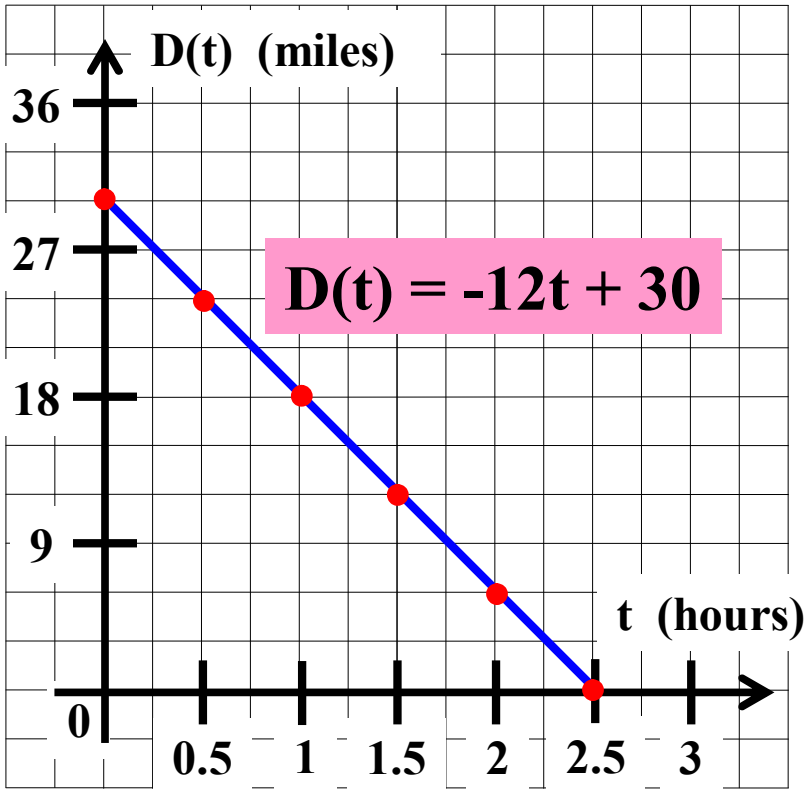


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

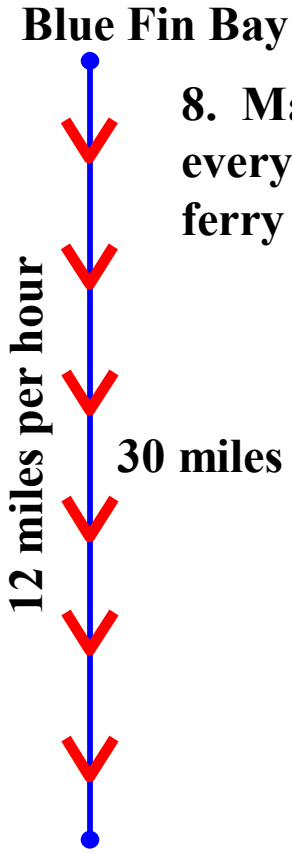
9. Graph function D.



11. What is the range of function D? **[0 , 30]**

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

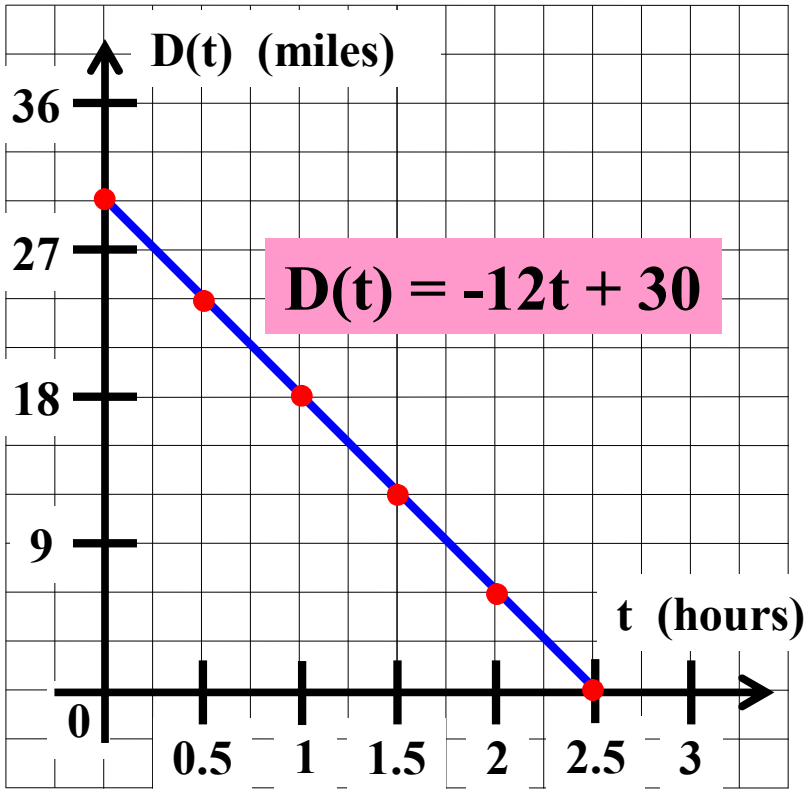


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.



General Algebra II CWS #4 Unit 6

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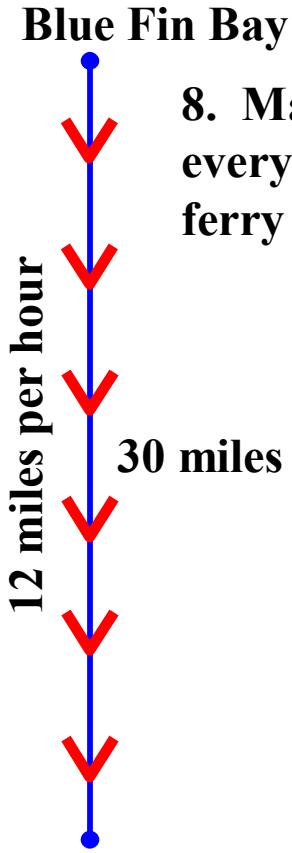


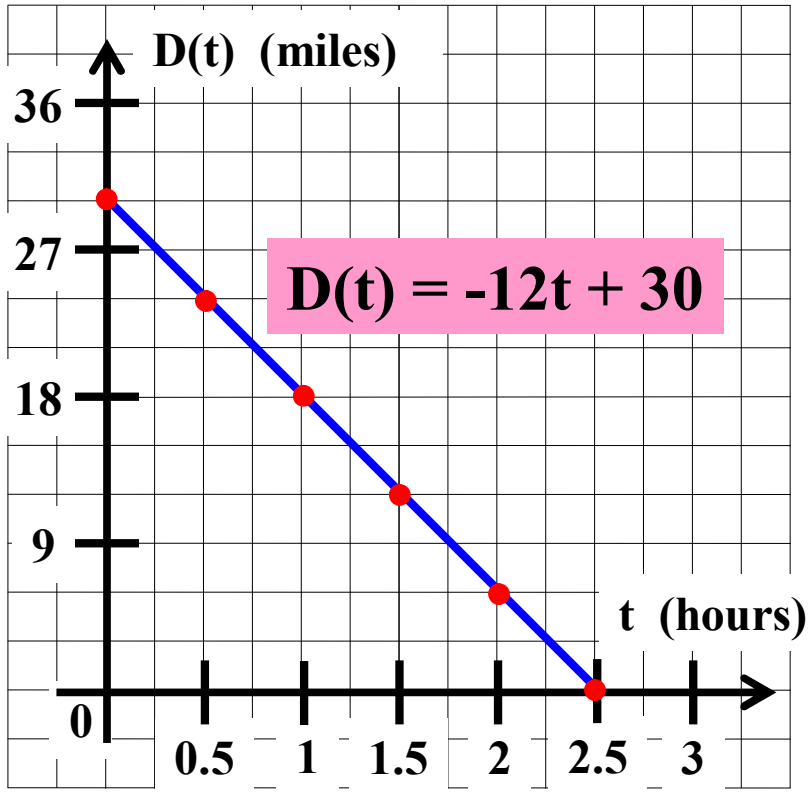
8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

13. Evaluate D(1).

9. Graph function D.



General Algebra II CWS #4 Unit 6

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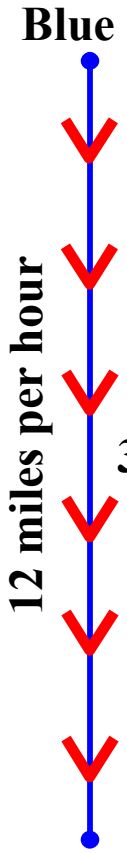


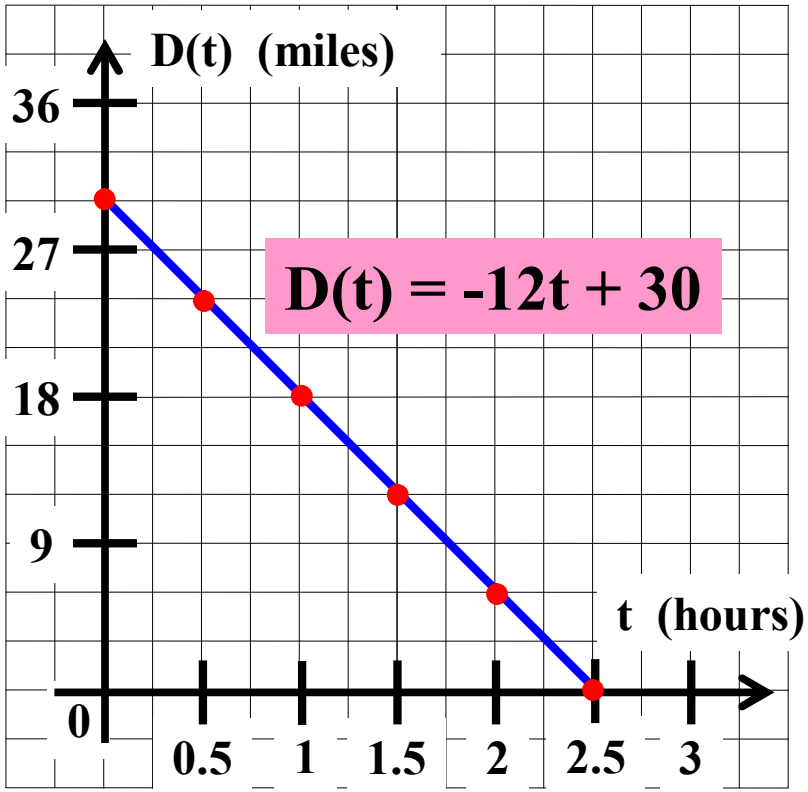
8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

13. Evaluate D(1).

9. Graph function D.



General Algebra II CWS #4 Unit 6

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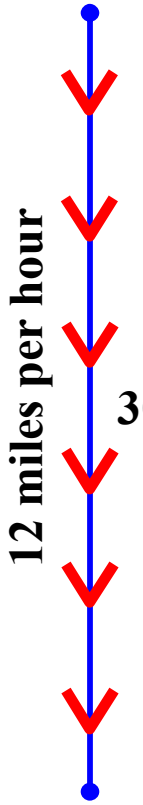
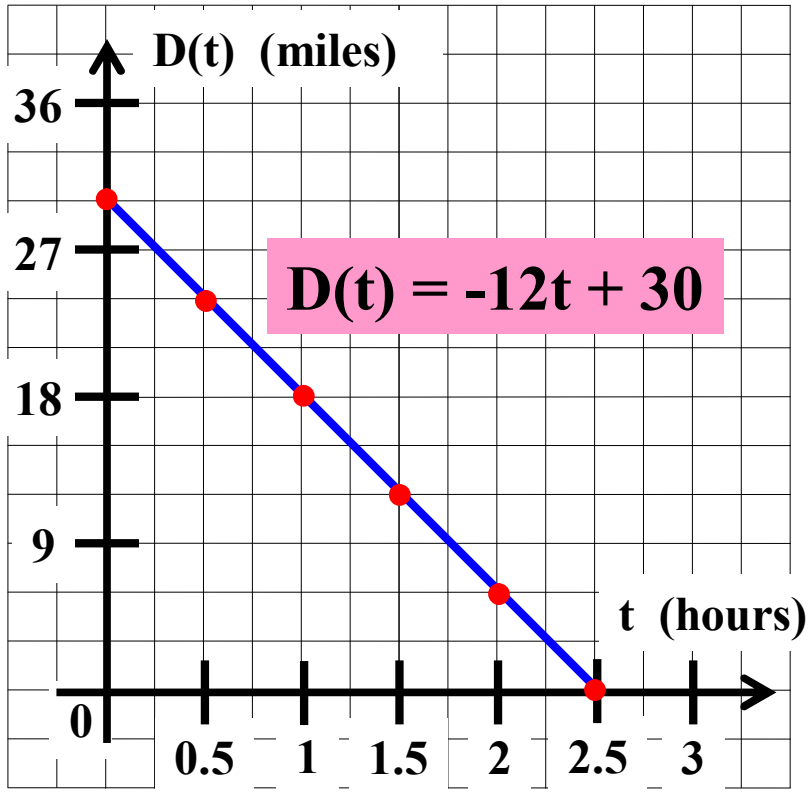


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.



13. Evaluate D(1).

D(1) =

General Algebra II CWS #4 Unit 6

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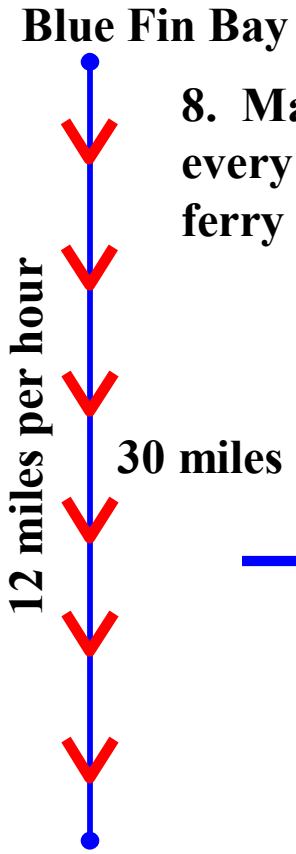
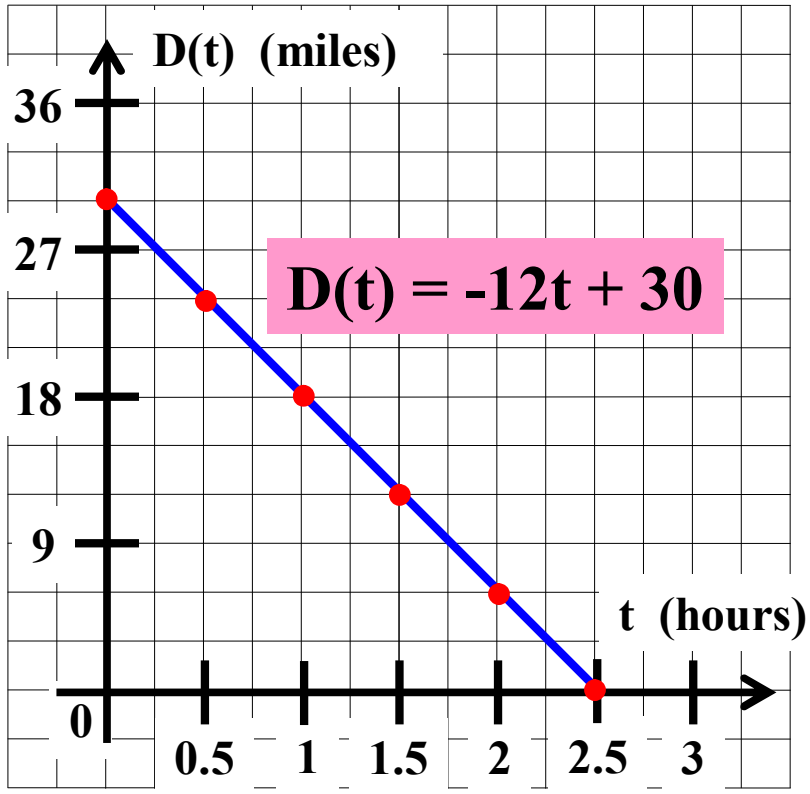


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.

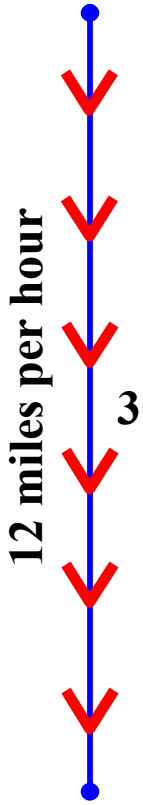


13. Evaluate D(1).

D(1) = 18

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

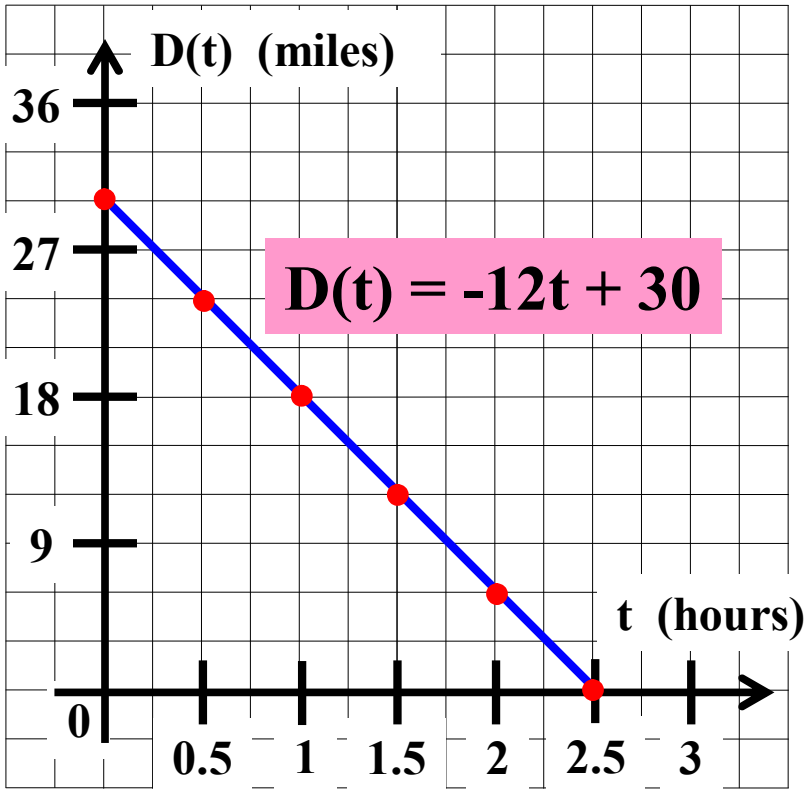


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.

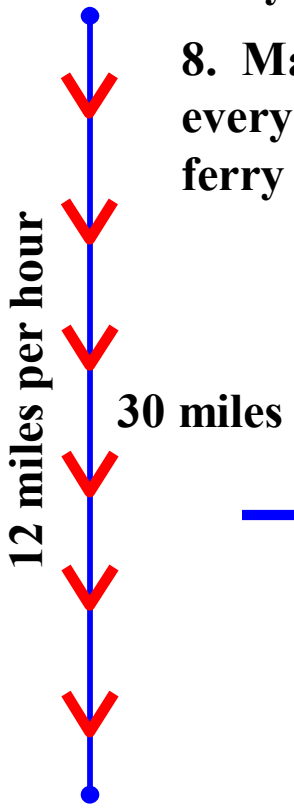


13. Evaluate D(1).

D(1) = 18 miles.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

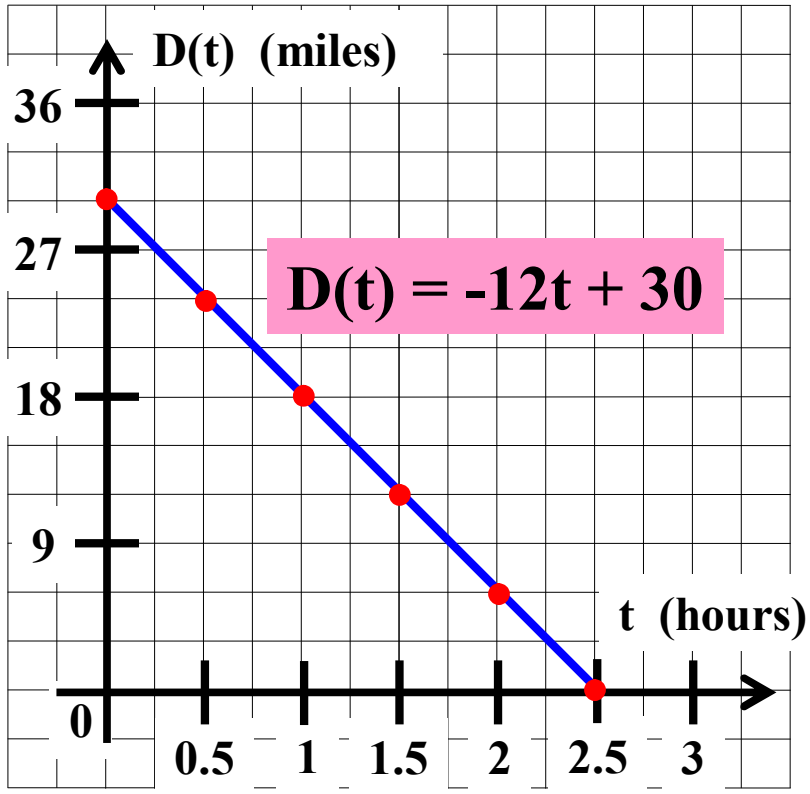


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.



13. Evaluate D(1). What does D(1) represent in terms of the problem?

D(1) = 18 miles.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay

12 miles per hour

30 miles

Bird Island

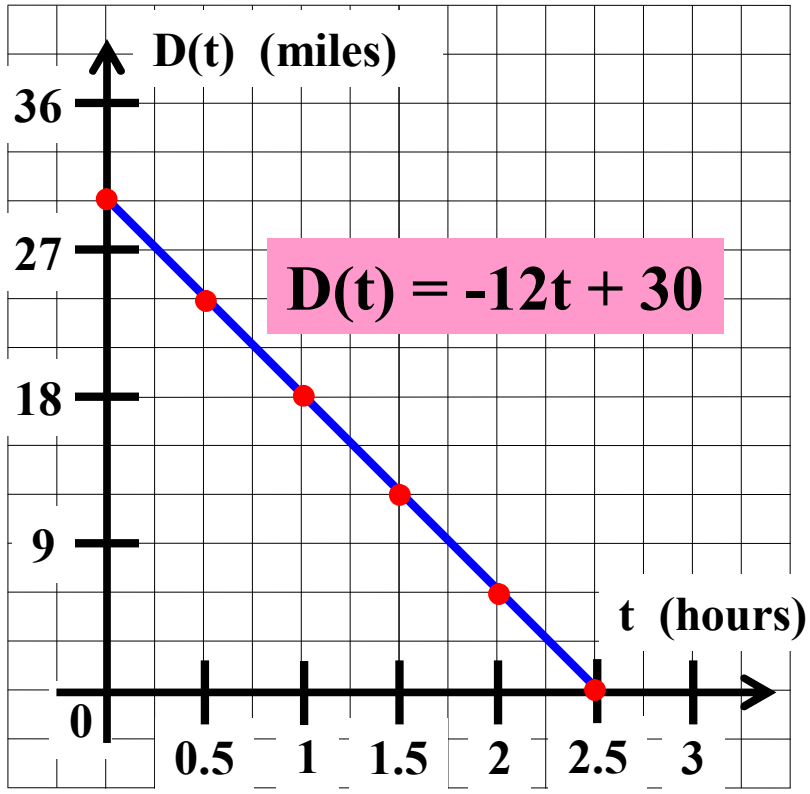
8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

range
[0 , 30]

9. Graph function D.



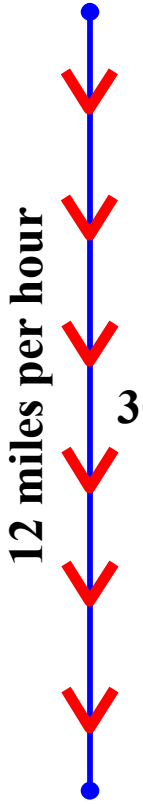
13. Evaluate D(1). What does D(1) represent in terms of the problem?

D(1) = 18 miles.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay



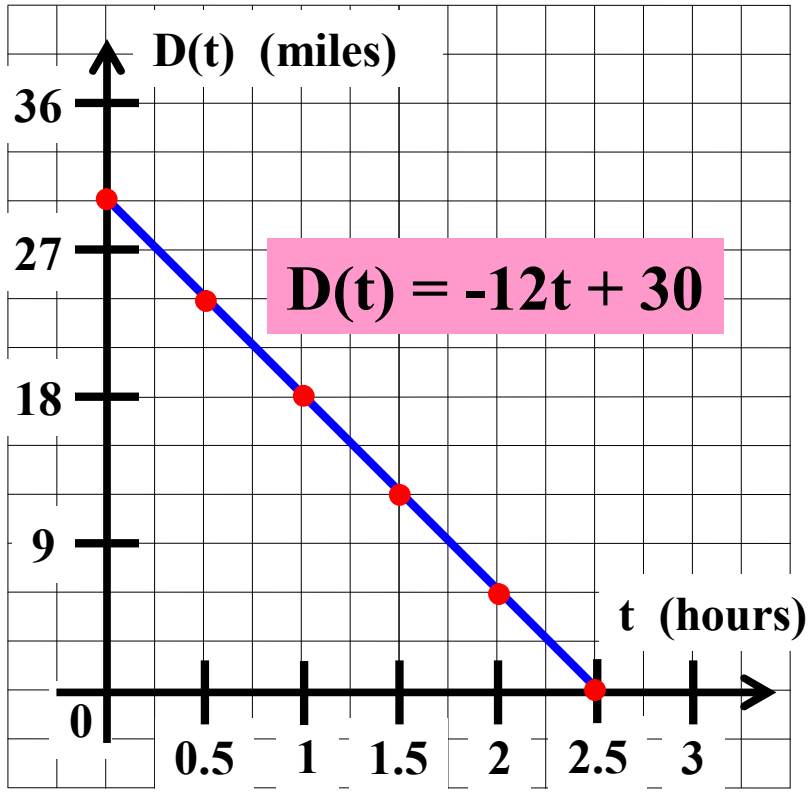
Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.



13. Evaluate D(1). What does D(1) represent in terms of the problem?

D(1) = 18 miles. D(1) represents the distance the ferry is from Bird Island

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

Blue Fin Bay

12 miles per hour

30 miles

Bird Island

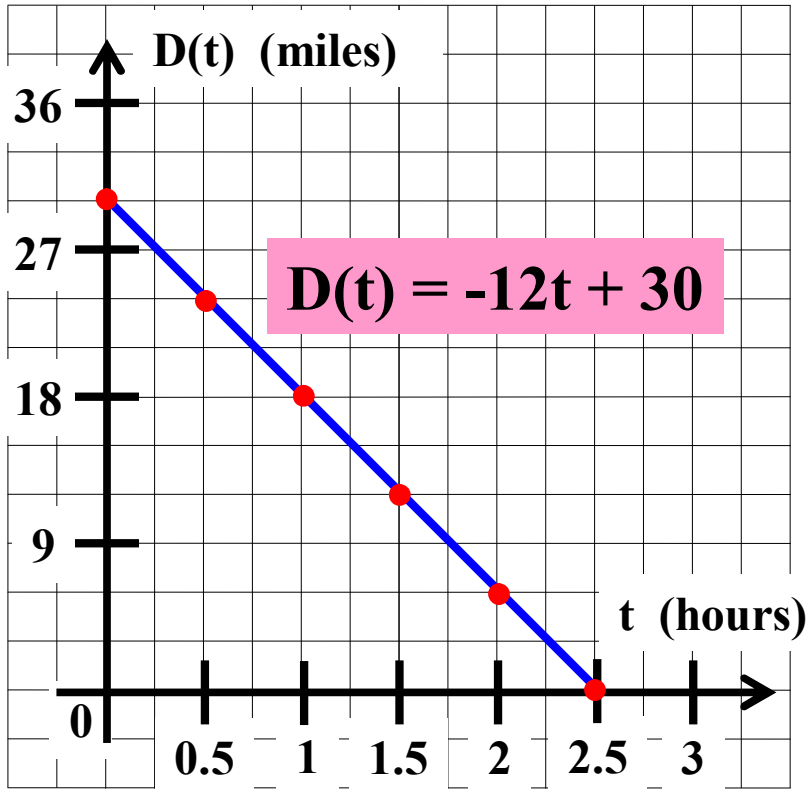
8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]

range
[0 , 30]

9. Graph function D.

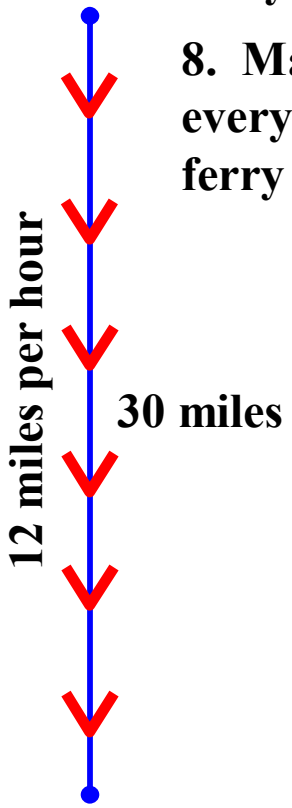


13. Evaluate D(1). What does D(1) represent in terms of the problem?

D(1) = 18 miles. D(1) represents the distance the ferry is from Bird Island after 1 hour.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

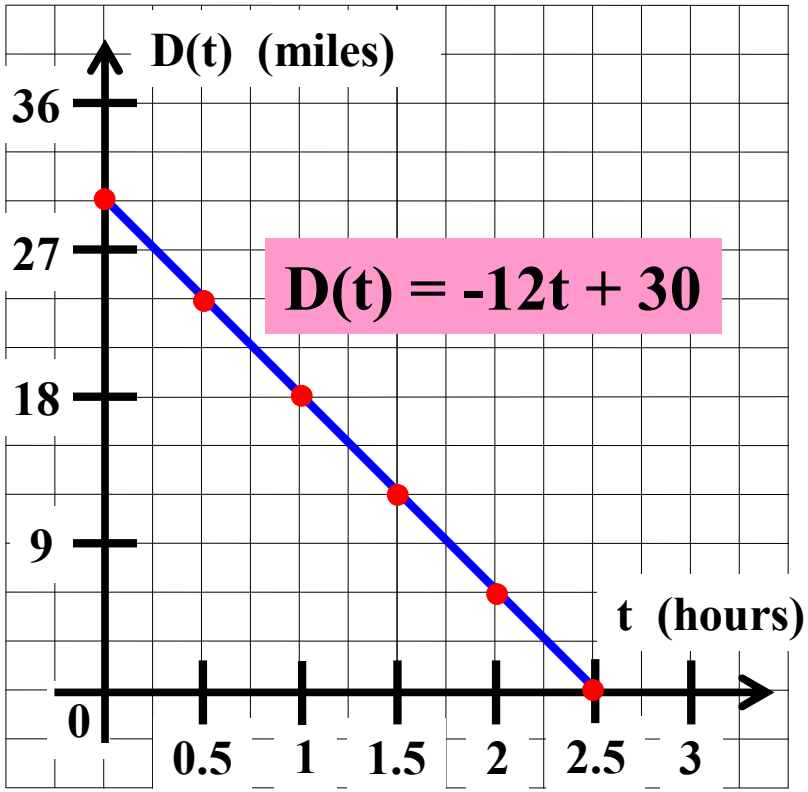


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.

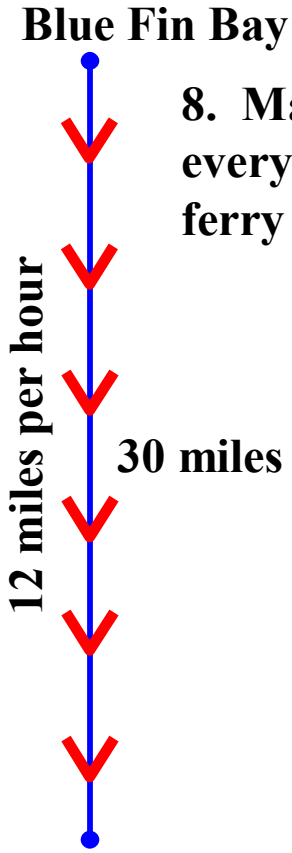


13. Evaluate D(1). What does D(1) represent in terms of the problem?

D(1) = 18 miles. D(1) represents the distance the ferry is from Bird Island after 1 hour.

General Algebra II CWS #4 Unit 6

Bird Island is 30 miles due south of Blue Fin Bay. A Ferry sails from Blue Fin Bay to Bird Island at a constant speed of 12 miles per hour. Let t represent the time in hours that the Ferry has been sailing. Let D(t) represent the distance in miles that the Ferry is from Bird Island.

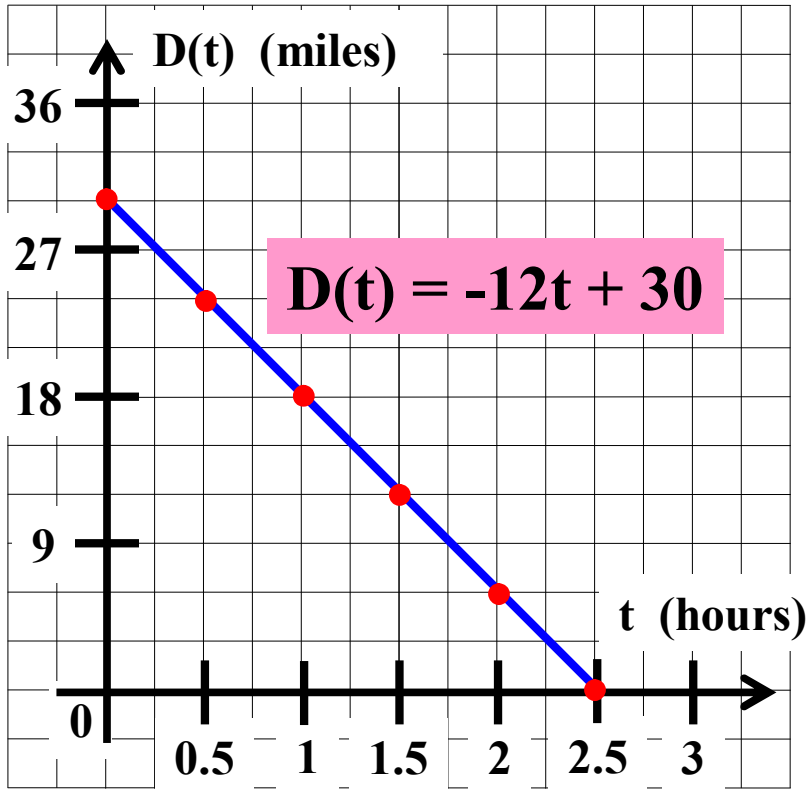


8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

t	D(t)
0	30
0.5	24
1	18
1.5	12
2	6
2.5	0

domain
[0 , 2.5]
range
[0 , 30]

9. Graph function D.



14. If D(t) = 15, then find the value of t.

General Algebra II CWS #4 Unit 6

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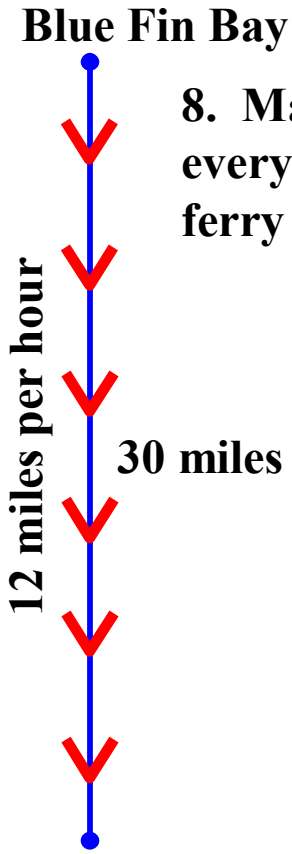

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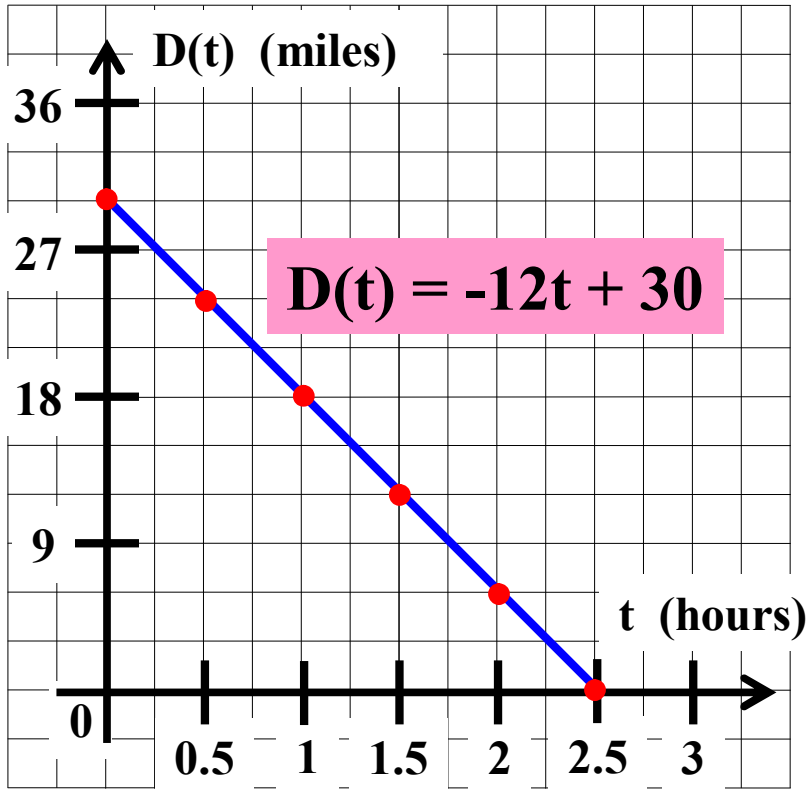

14. If D(t) = 15, then find the value of t.

-12t + 30

General Algebra II CWS #4 Unit 6

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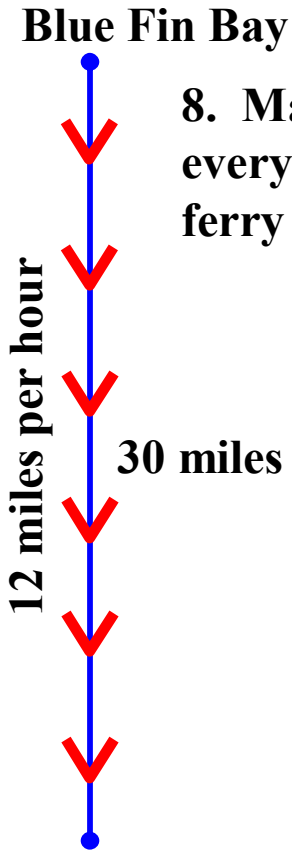

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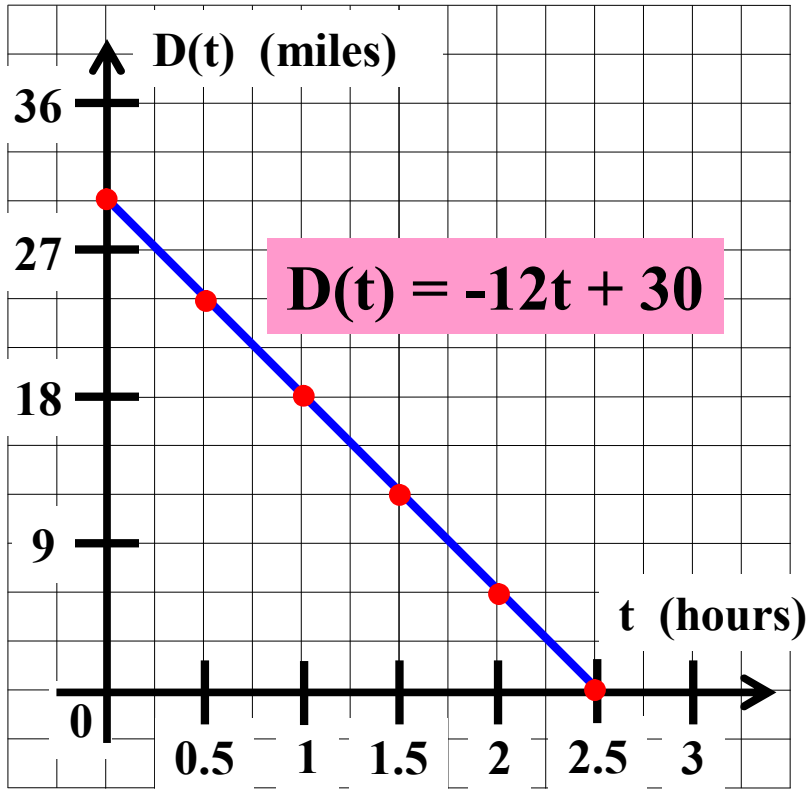

14. If D(t) = 15, then find the value of t.

$-12t + 30 = 15$

General Algebra II CWS #4 Unit 6

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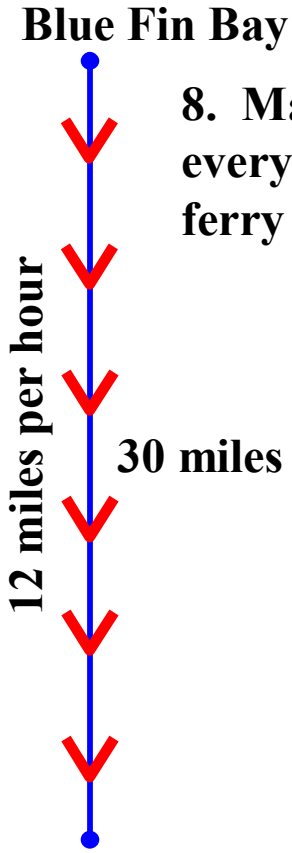

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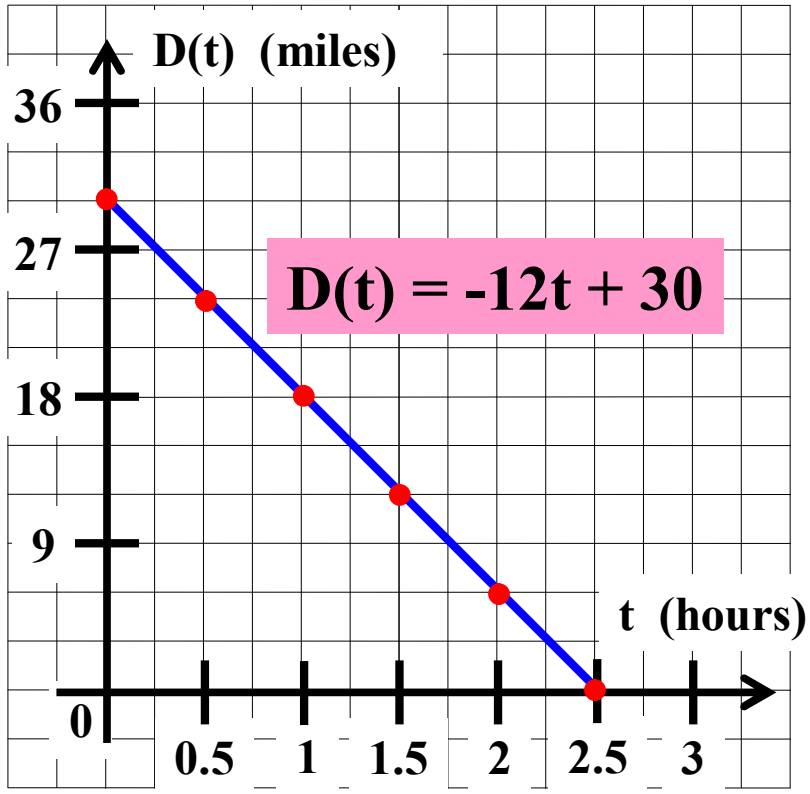

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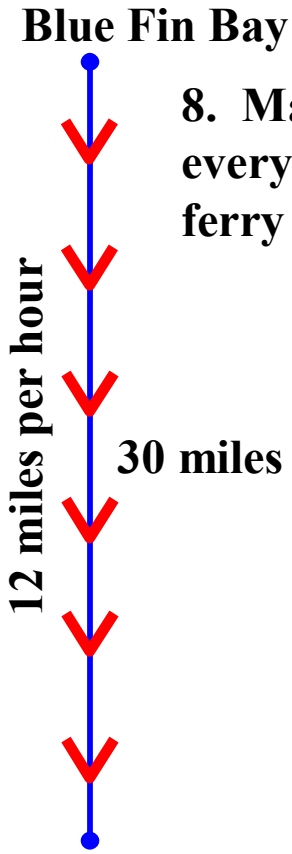

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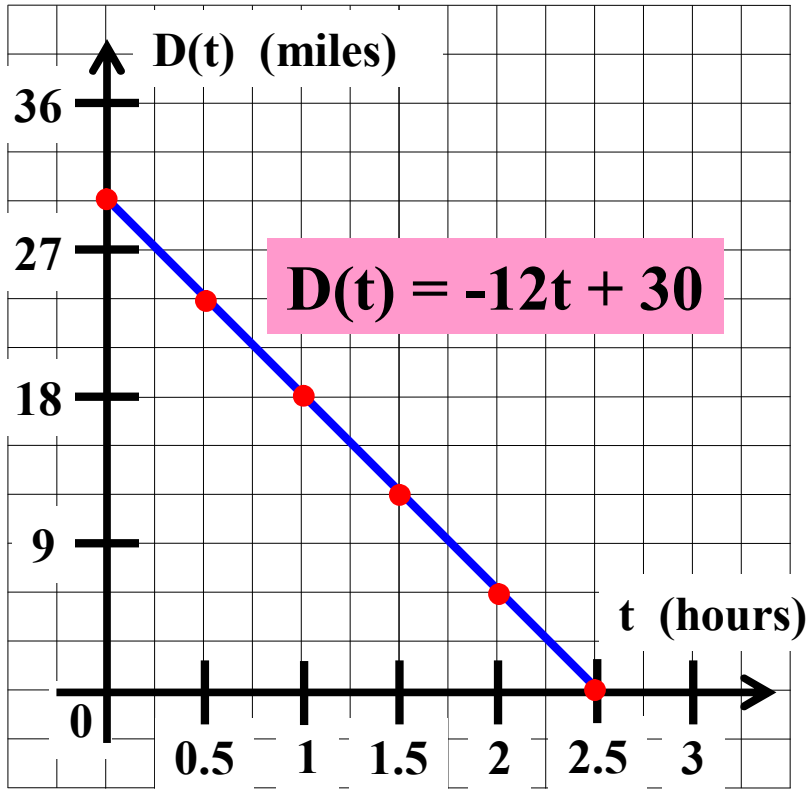

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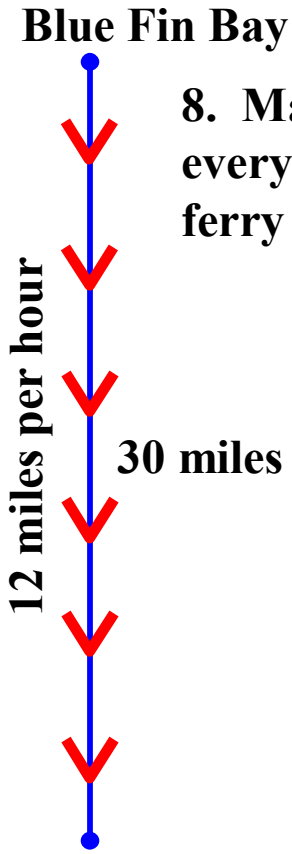

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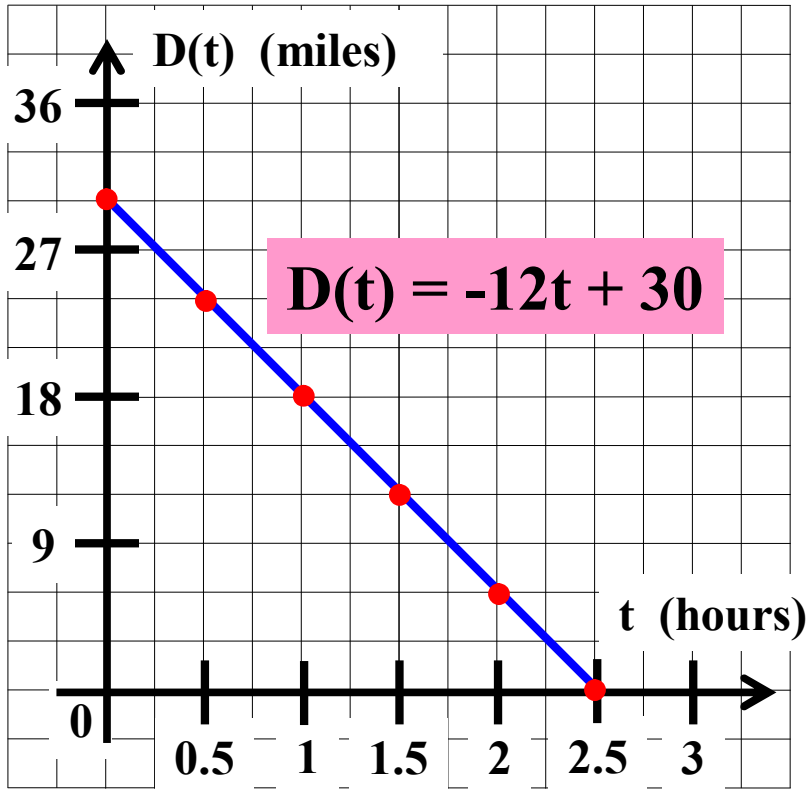

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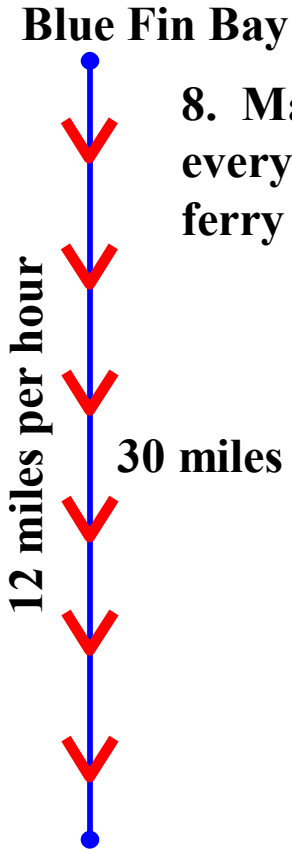

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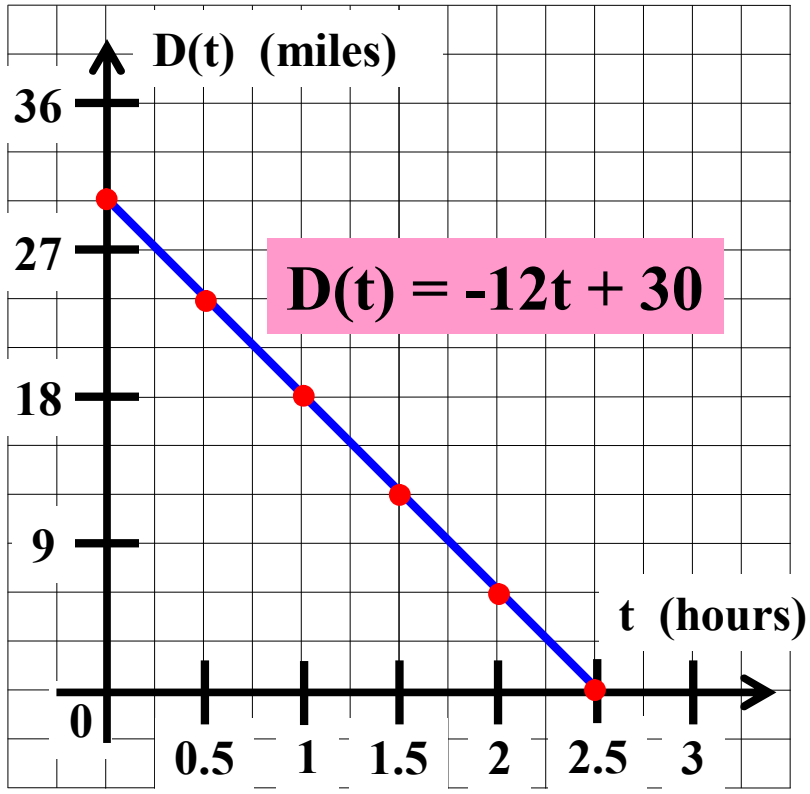

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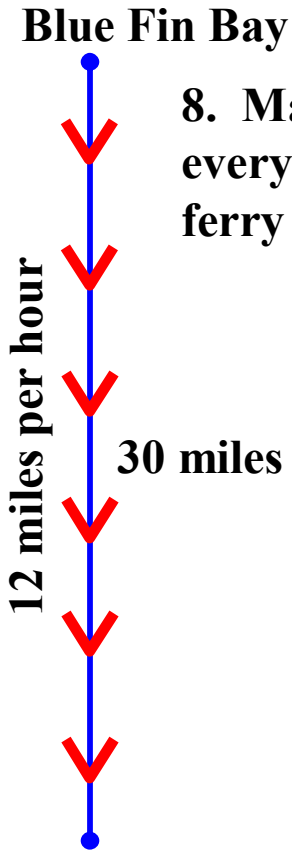

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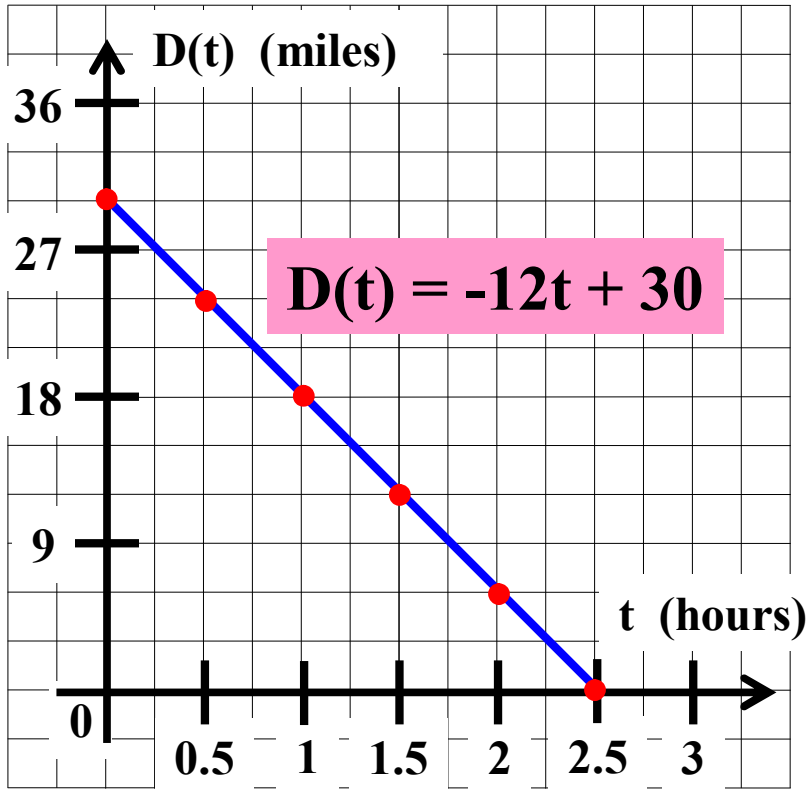

14. If D(t) = 15, then find the value of t.

$-12t + 30 = 15 \rightarrow -12t = -15 \rightarrow t = 1.25$

General Algebra II CWS #4 Unit 6

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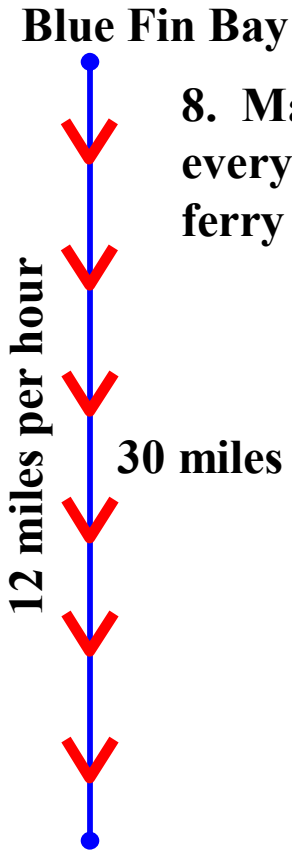

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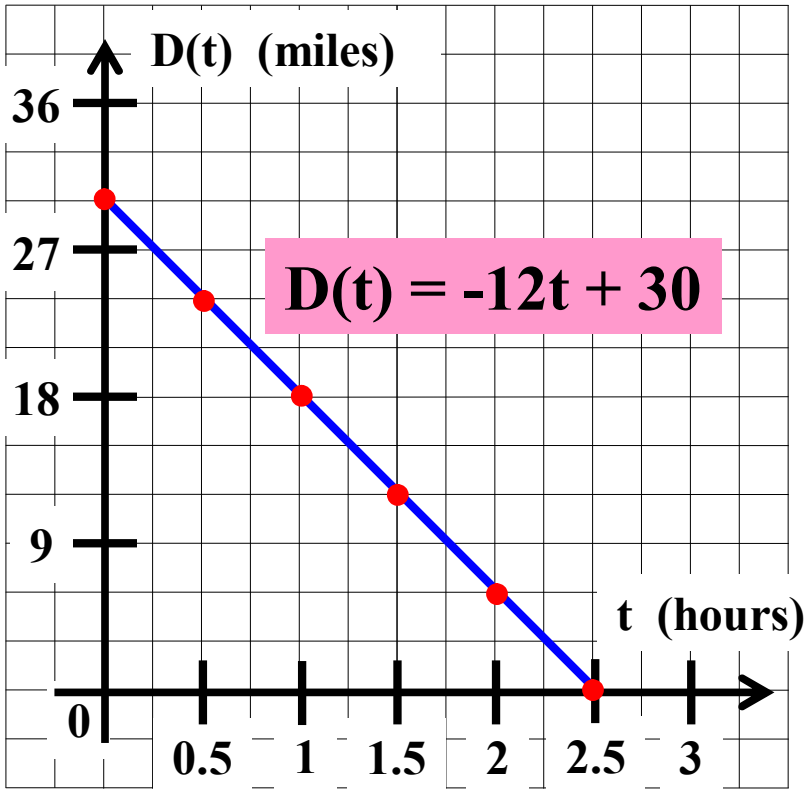

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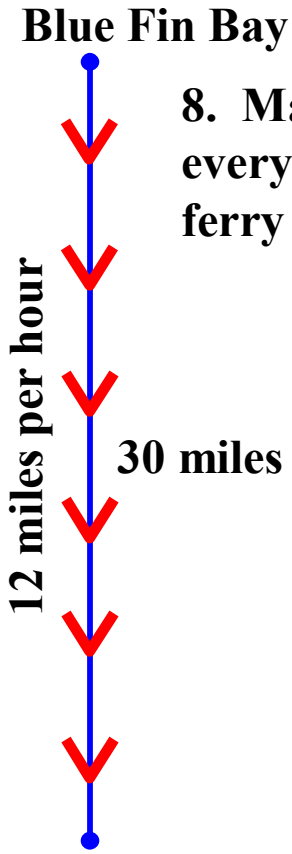

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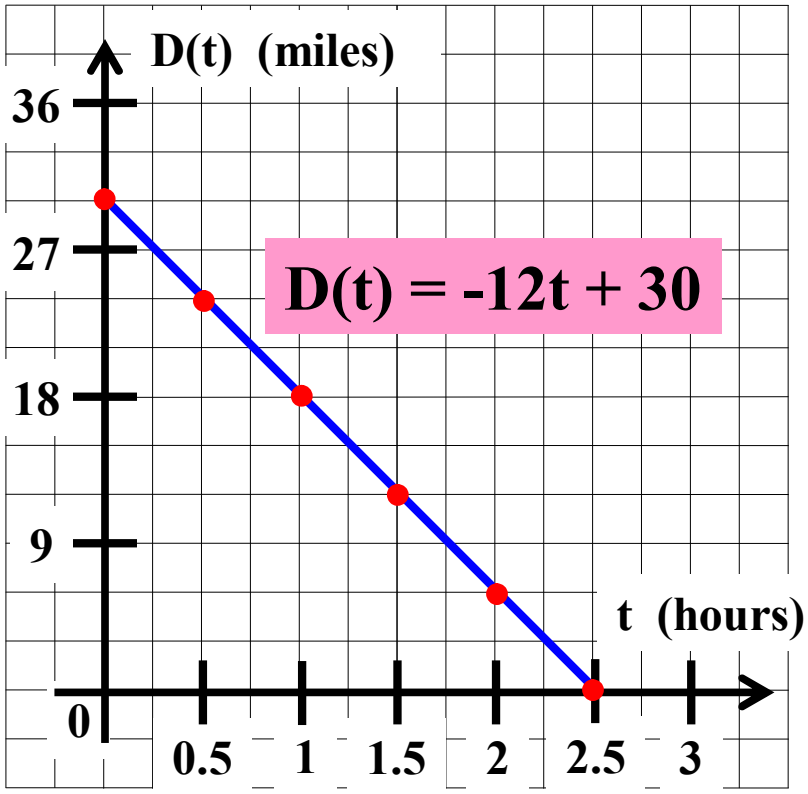

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t = 1.25 hours.

General Algebra II CWS #4 Unit 6

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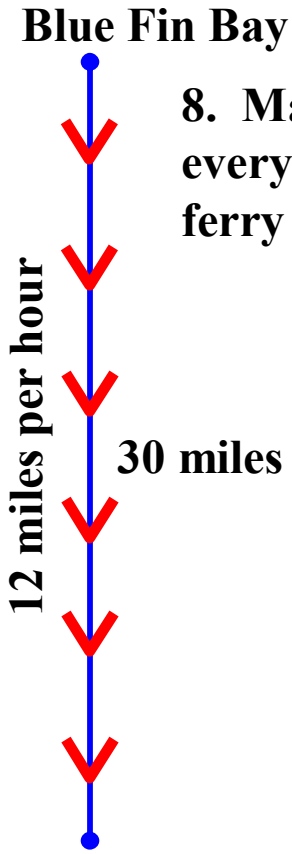

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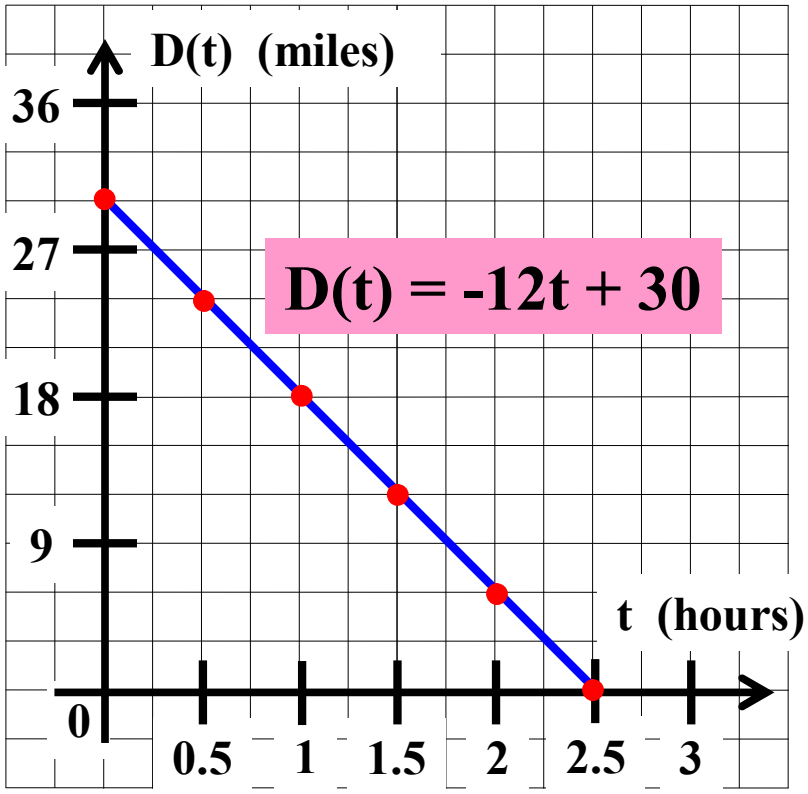

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t = 1.25 hours.

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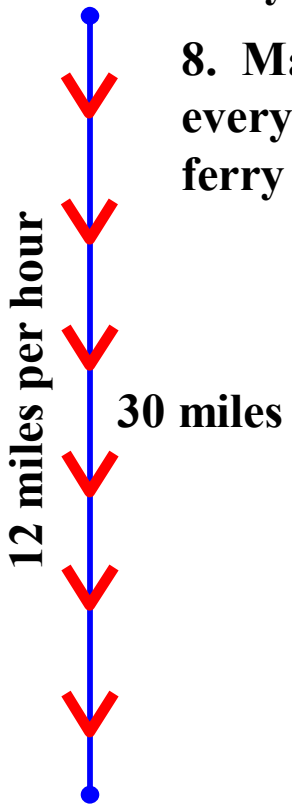

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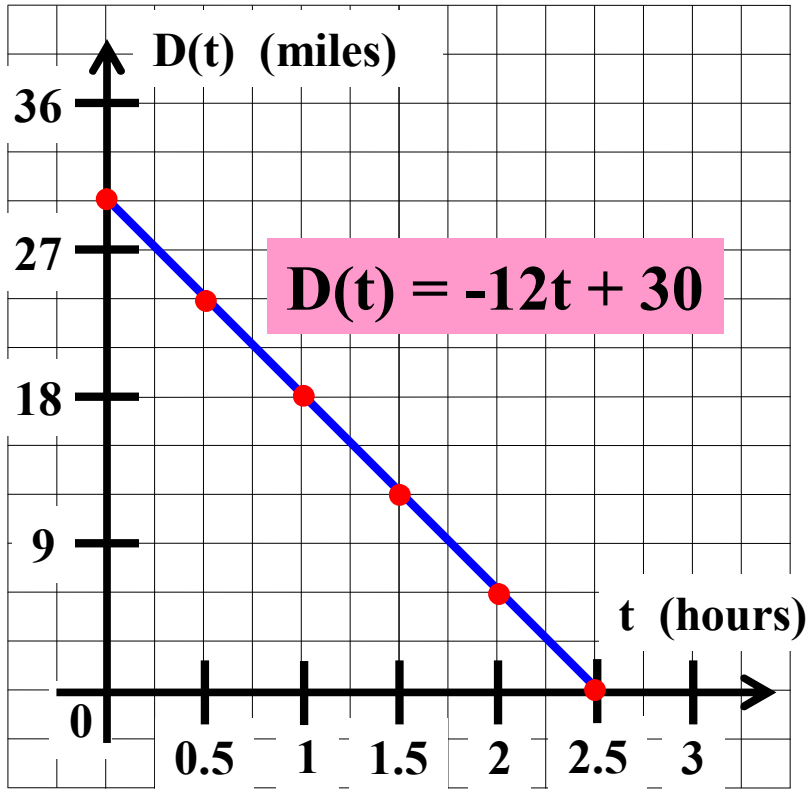

14. If D(t) = 15, then find the value of t. Describe what this value of t represents in terms of the problem.

t = 1.25 hours.

General Algebra II CWS #4 Unit 6

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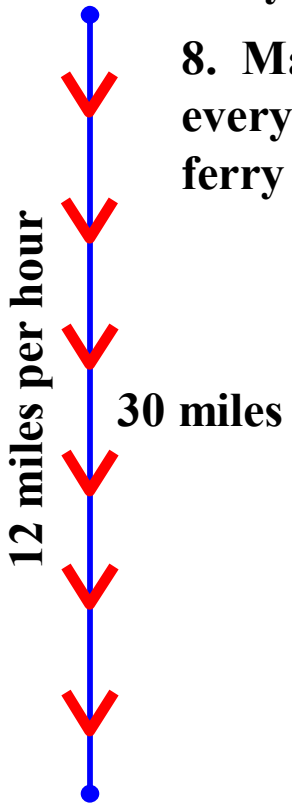
Blue Fin Bay



Bird Island

8. Make a table giving t and D(t) every half-hour from t = 0 until the ferry reaches Bird Island.

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t = 1.25 hours

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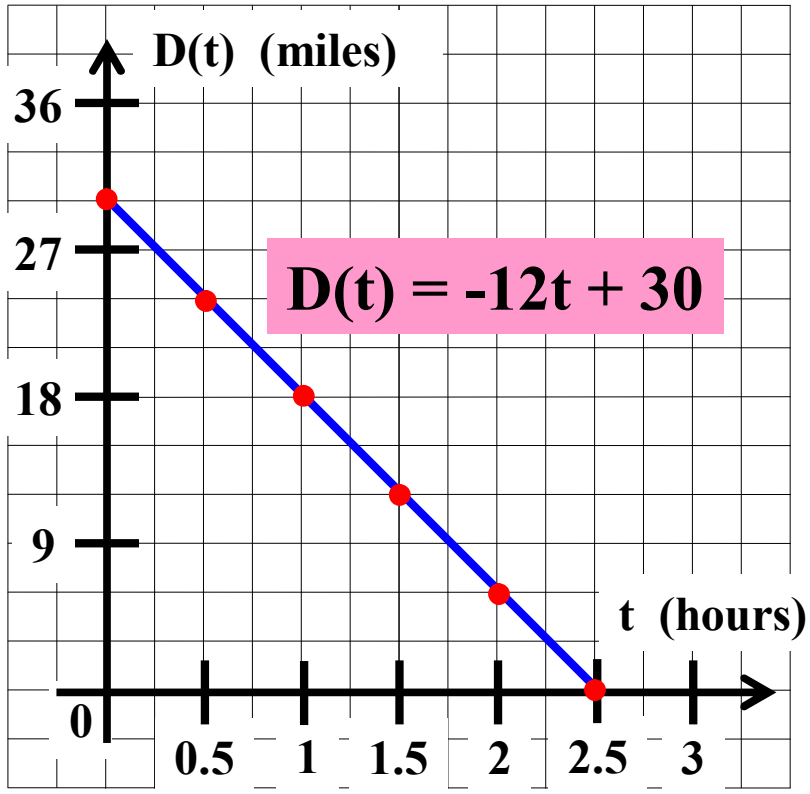

14. If D(t) = 15, then find the value of t. Describe what this value of t represents in terms of the problem.

t = 1.25 hours. This represents the time it takes the ferry

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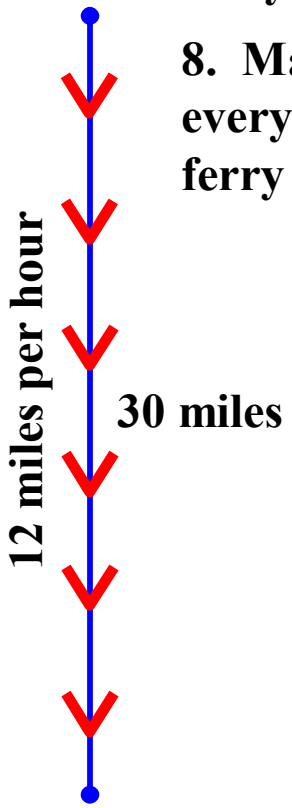

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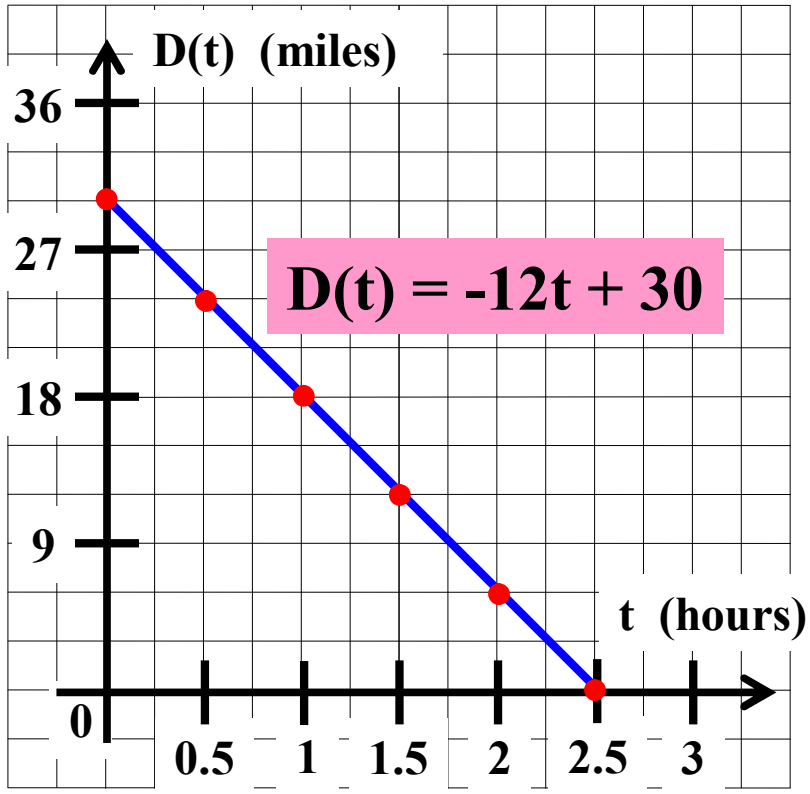

14. If D(t) = 15, then find the value of t. Describe what this value of t represents in terms of the problem.

t = 1.25 hours. This represents the time it takes the ferry to be 15 miles from Bird Island.

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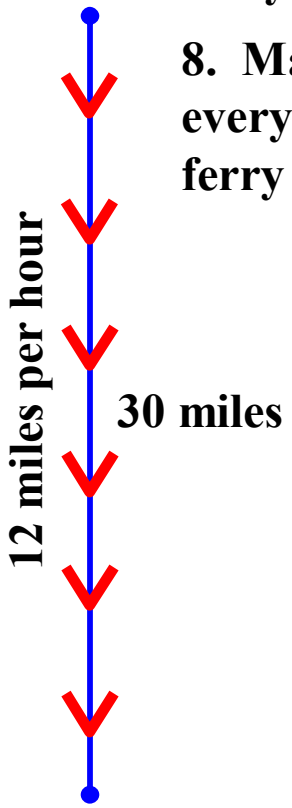

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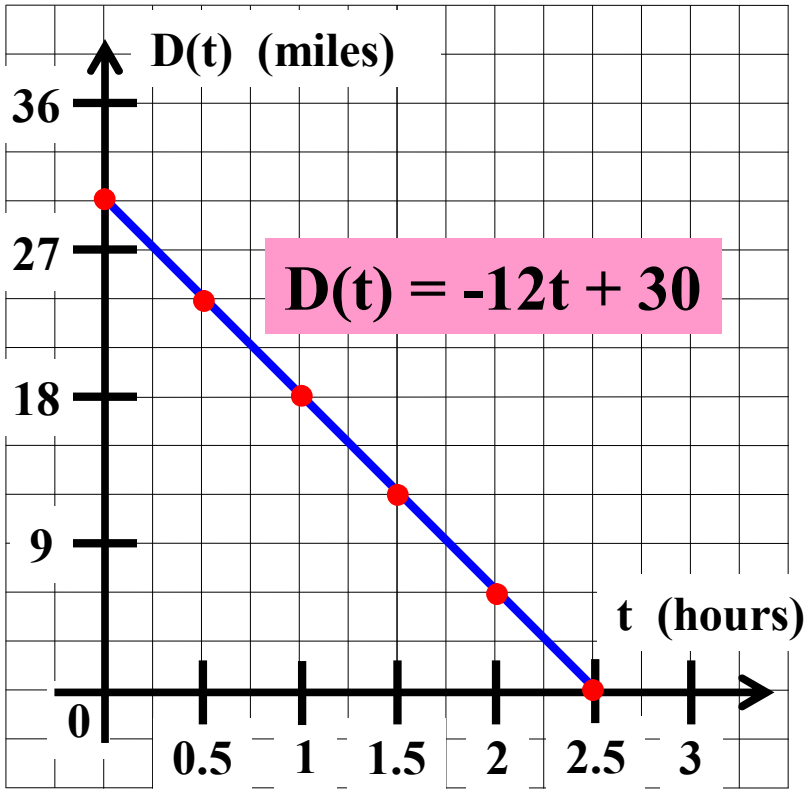

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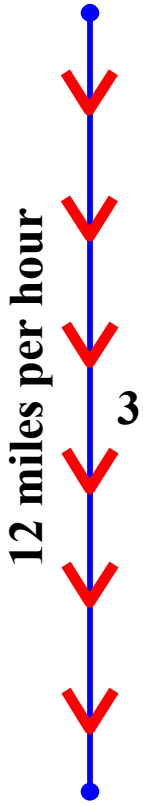

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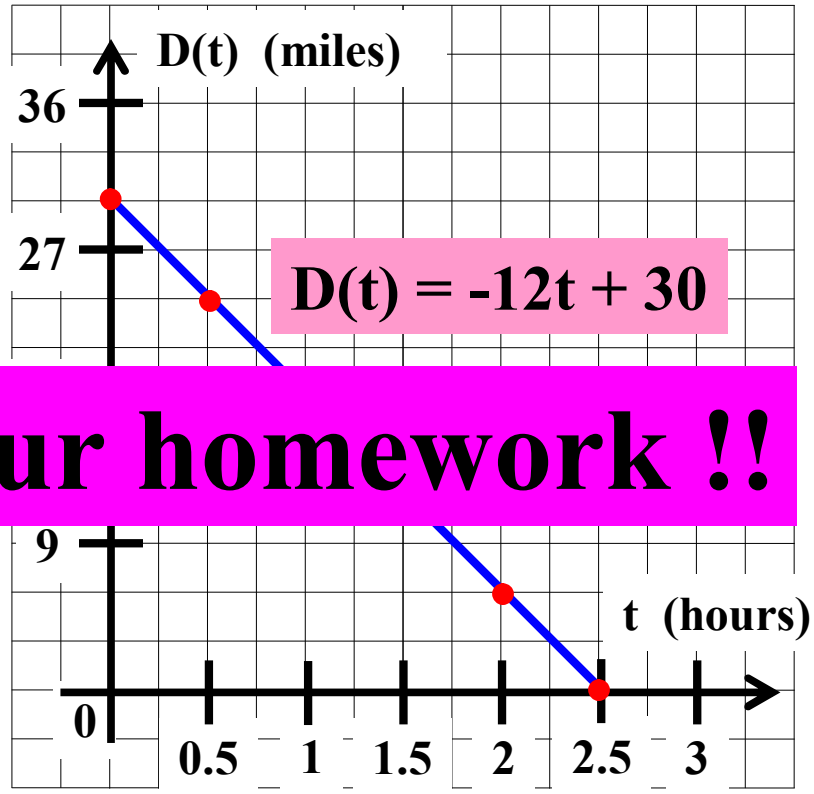

D(t) = -12t + 30

Good luck on your homework !!

14. If D(t) = 15, then find the value of t. Describe what this value of t represents in terms of the problem.

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