Algebra II Lesson #3 Unit 3
Class Worksheet #3
For Worksheet #3

Algebra II Class Worksheet #3 Unit 3

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1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

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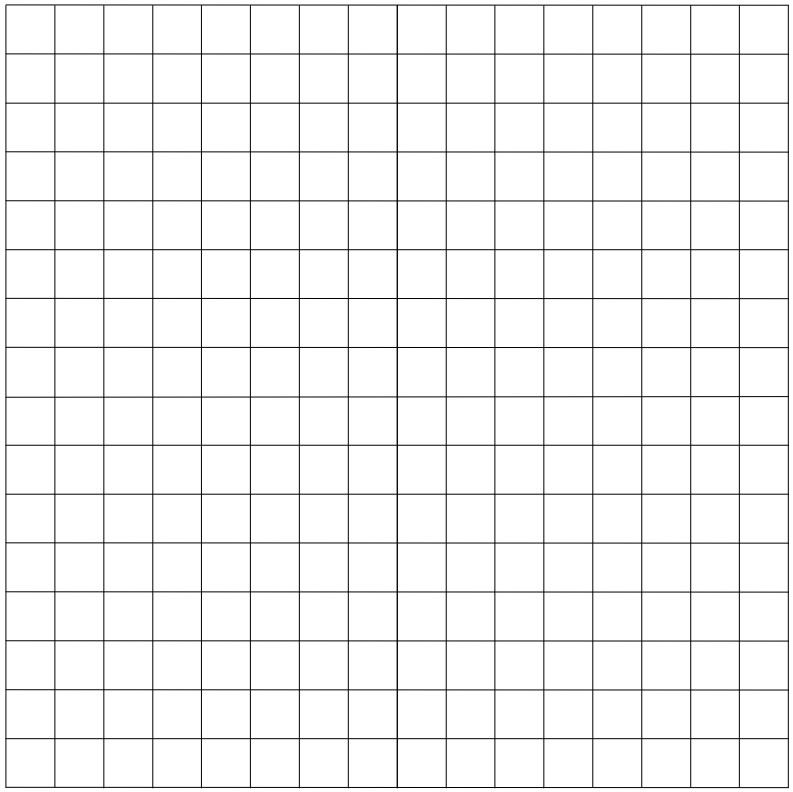

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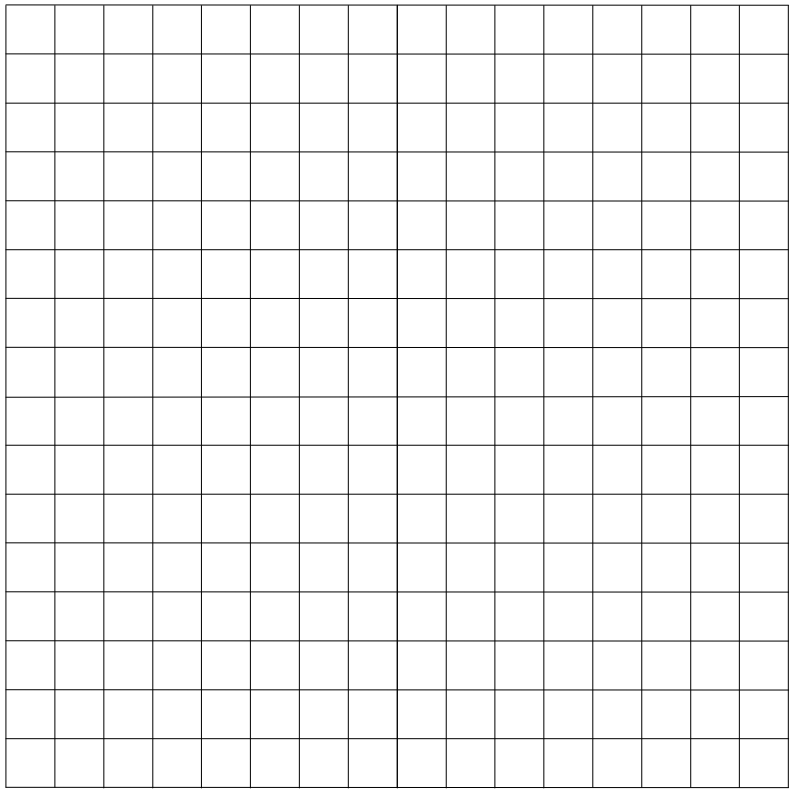

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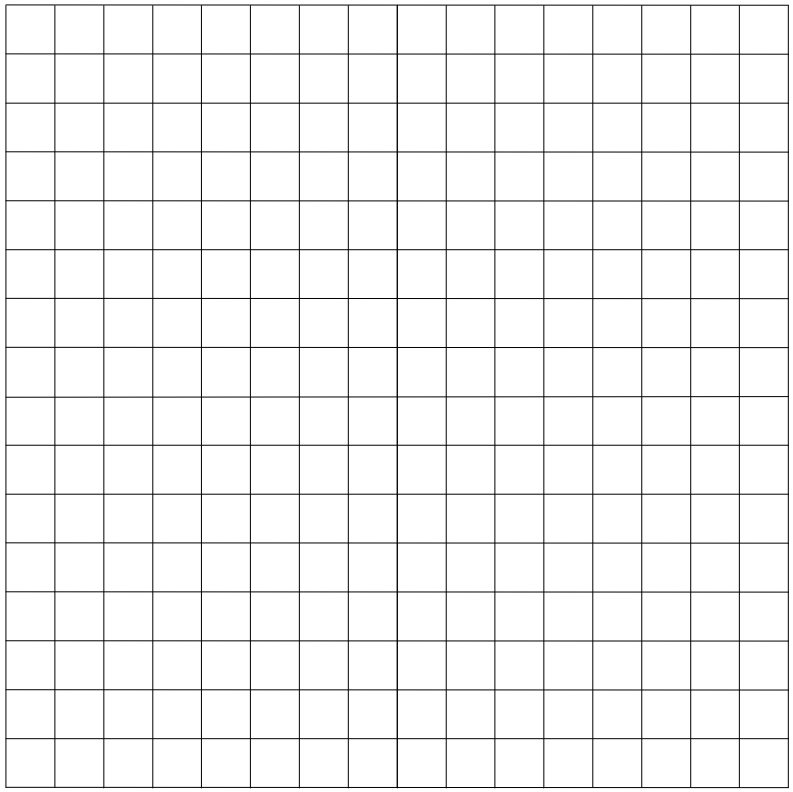

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t	d(t)
0	

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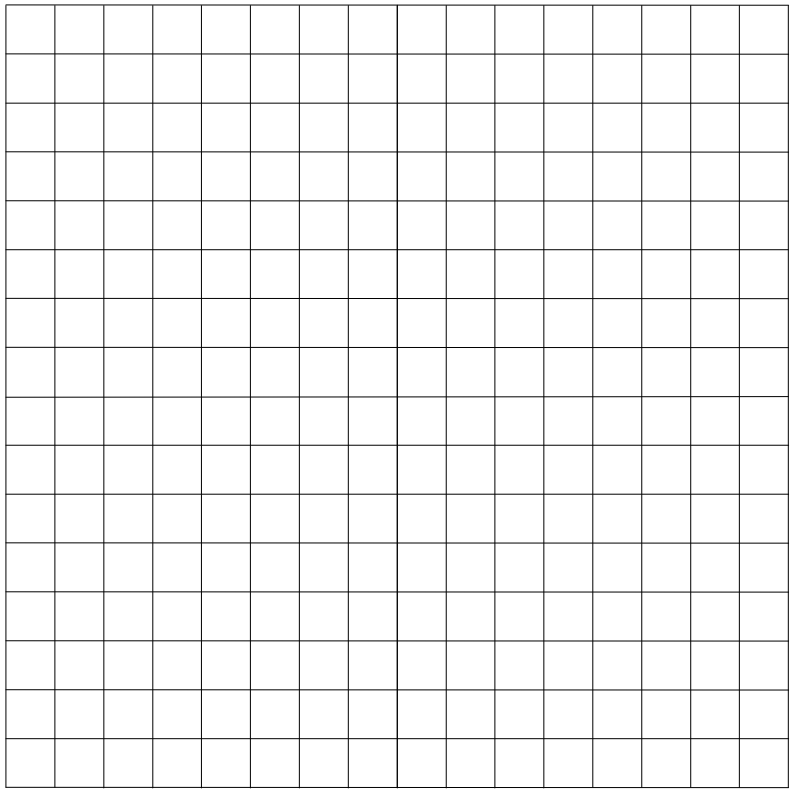

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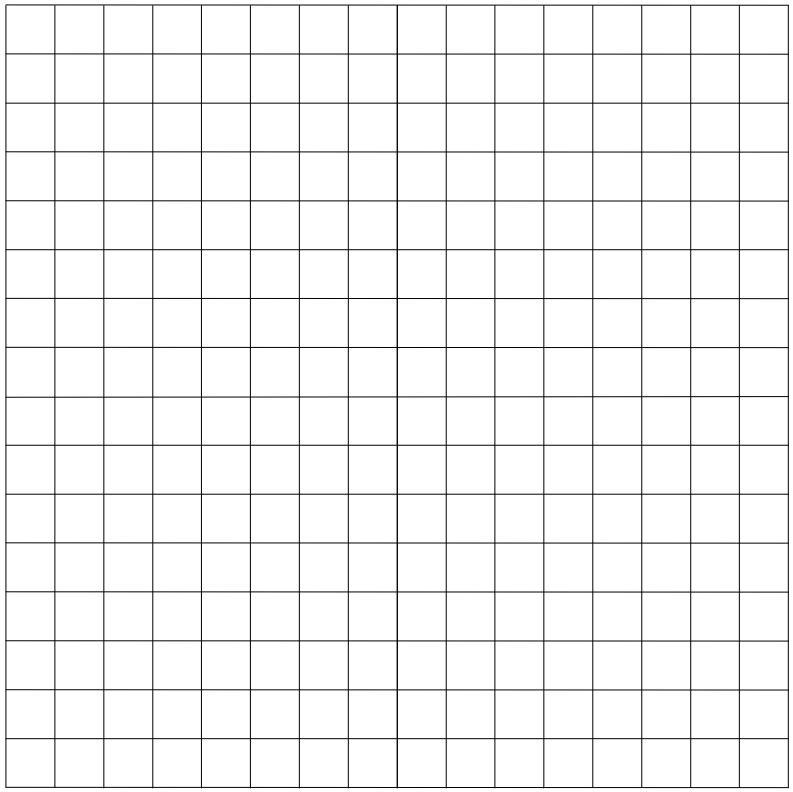

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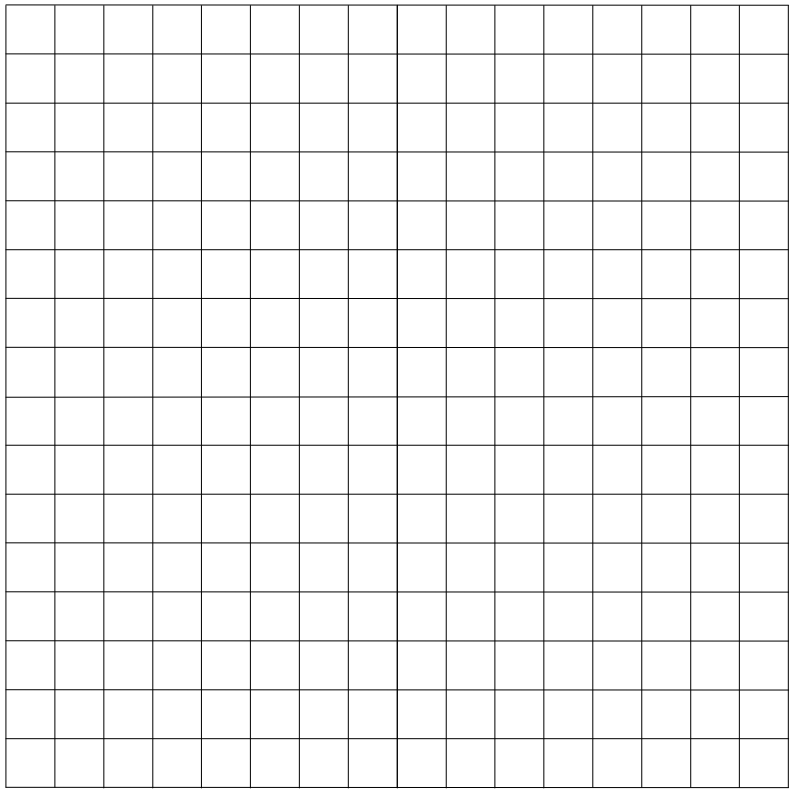
t	d(t)
0	0
20	

2. Graph function d.



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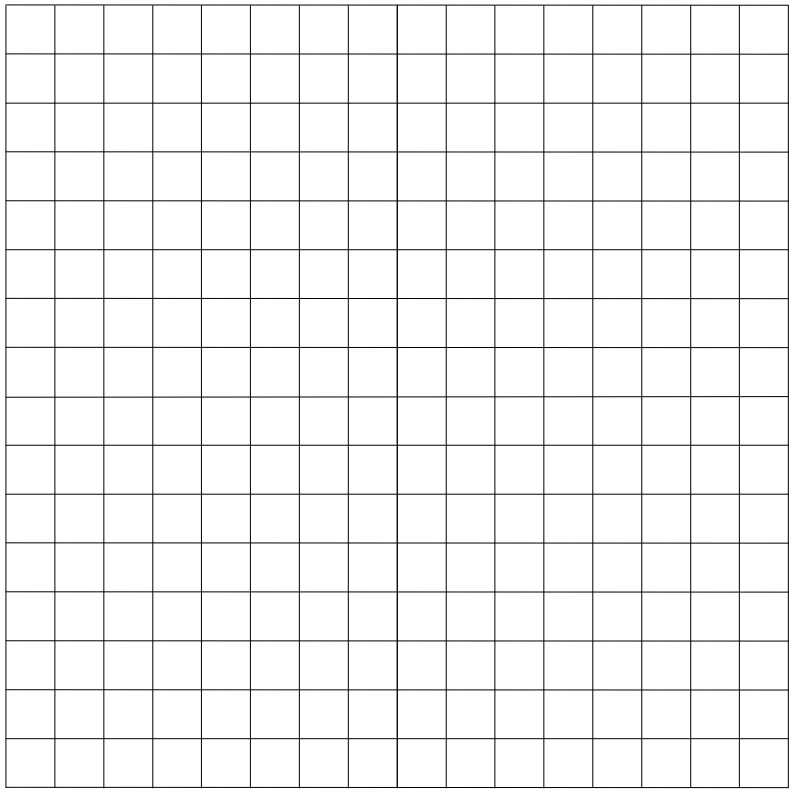
t	d(t)
0	0
20	60

2. Graph function d.



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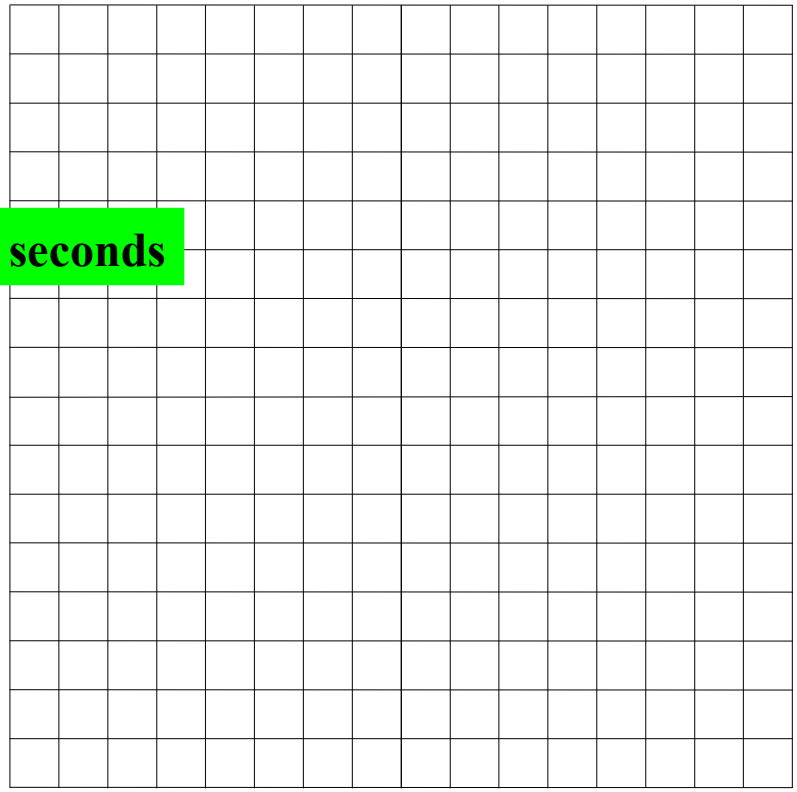
t	d(t)
0	0
20	60

3 feet per second for 20 seconds

2. Graph function d.



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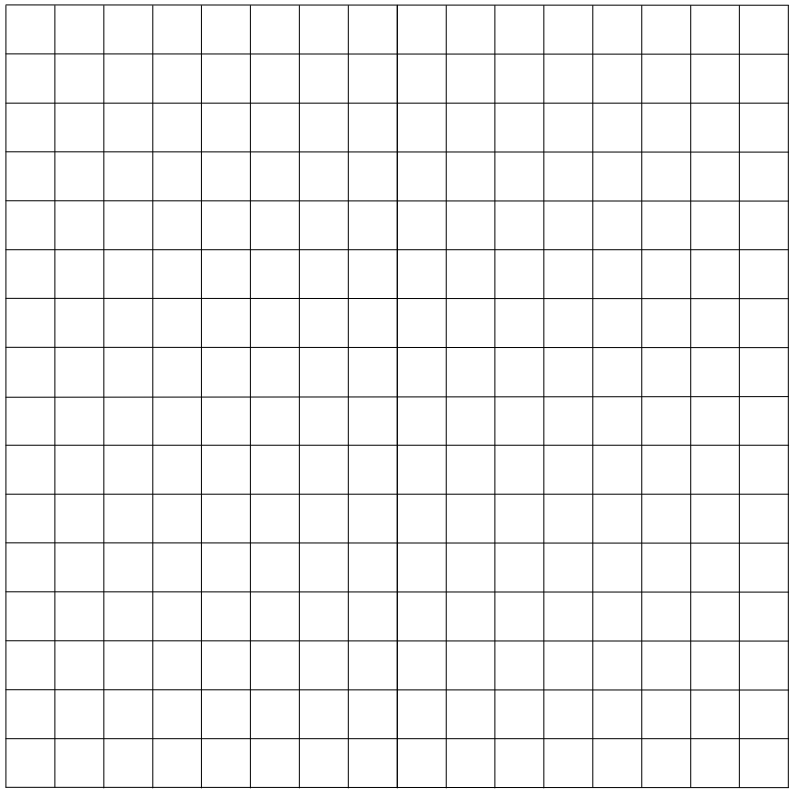
t	d(t)
0	0
20	60

2. Graph function d.



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t	d(t)
0	0
20	60
40	

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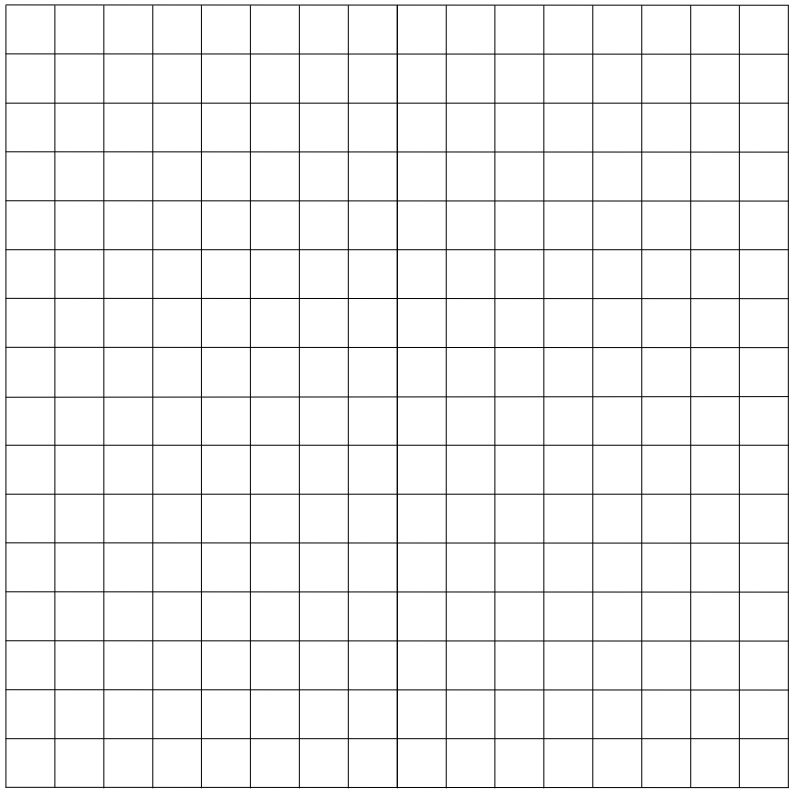

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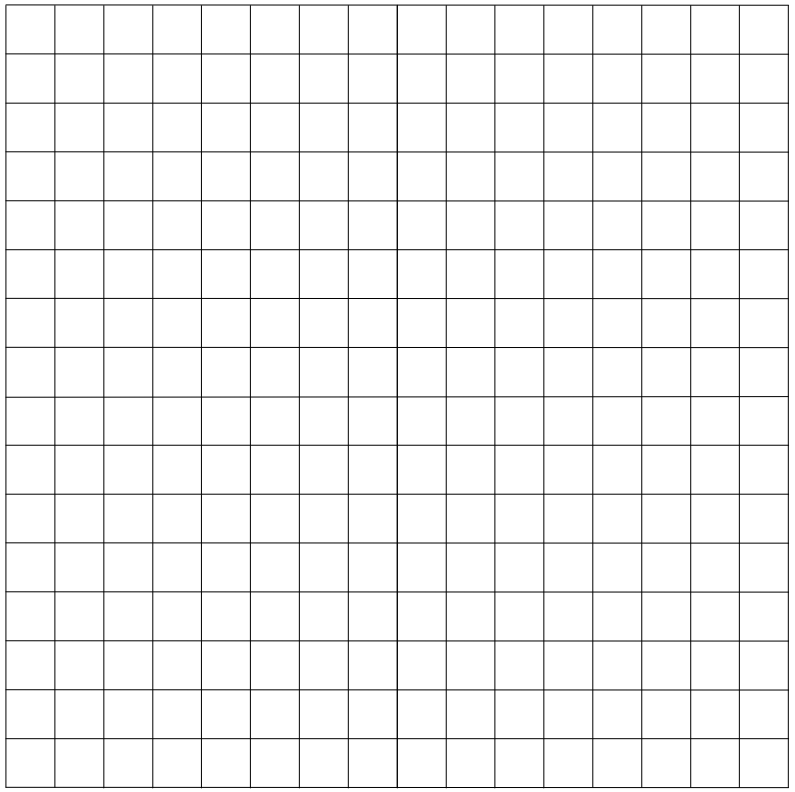

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0	0
20	60
40	120
60	

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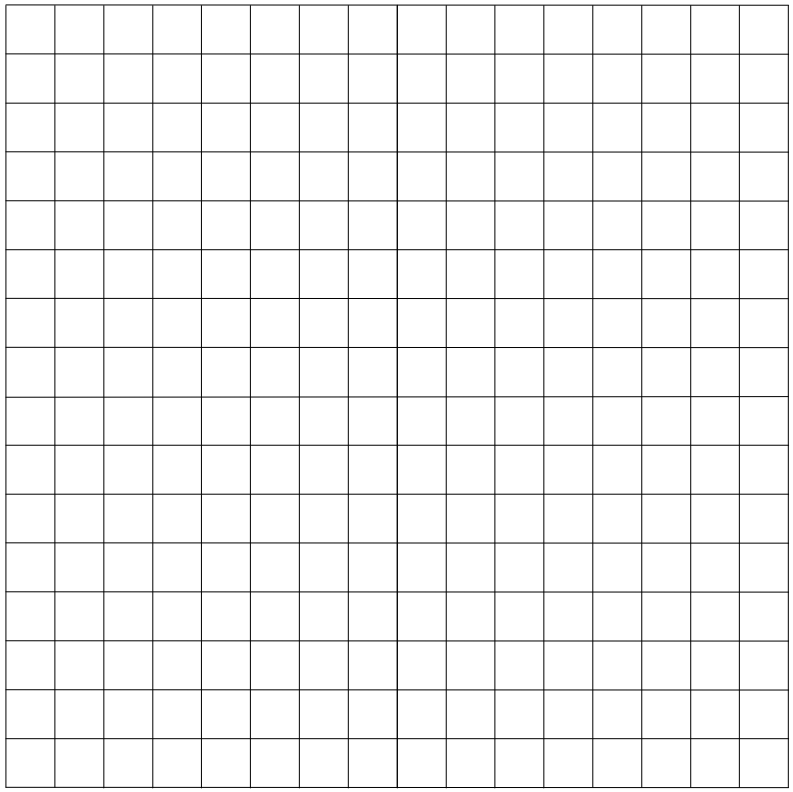

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20	60
40	120
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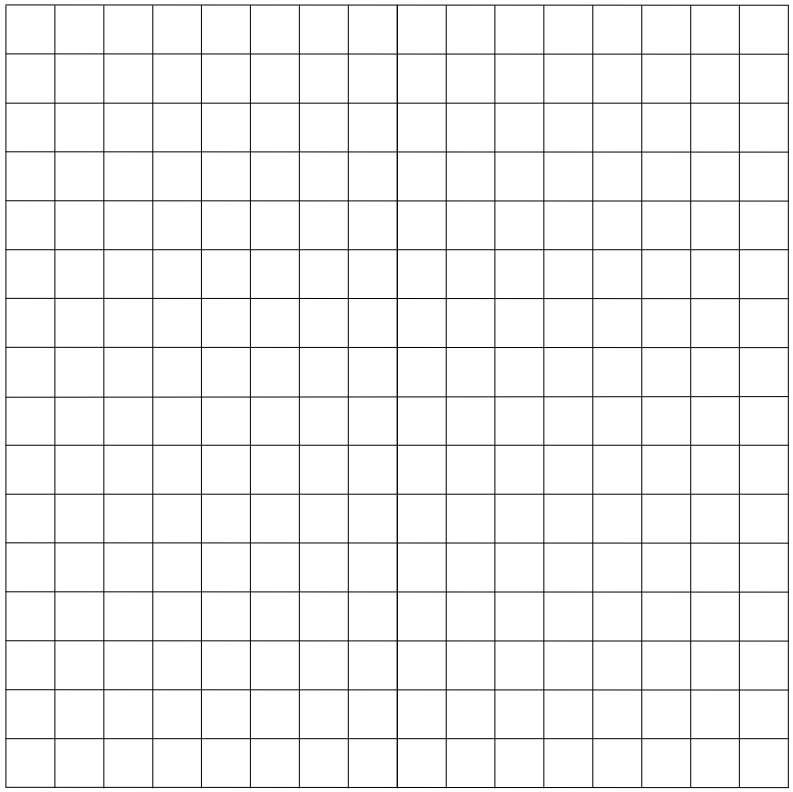

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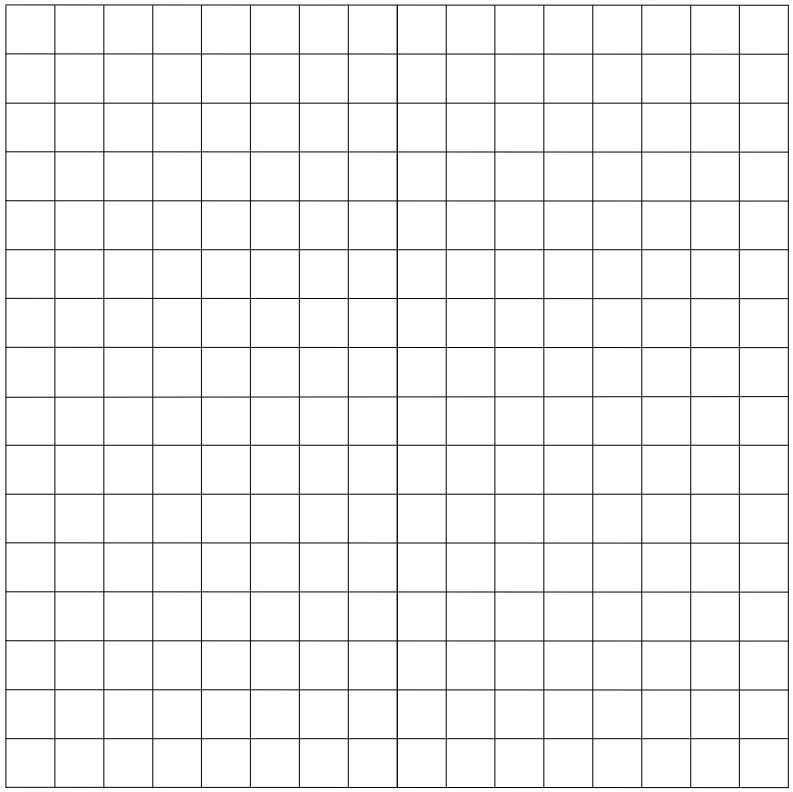

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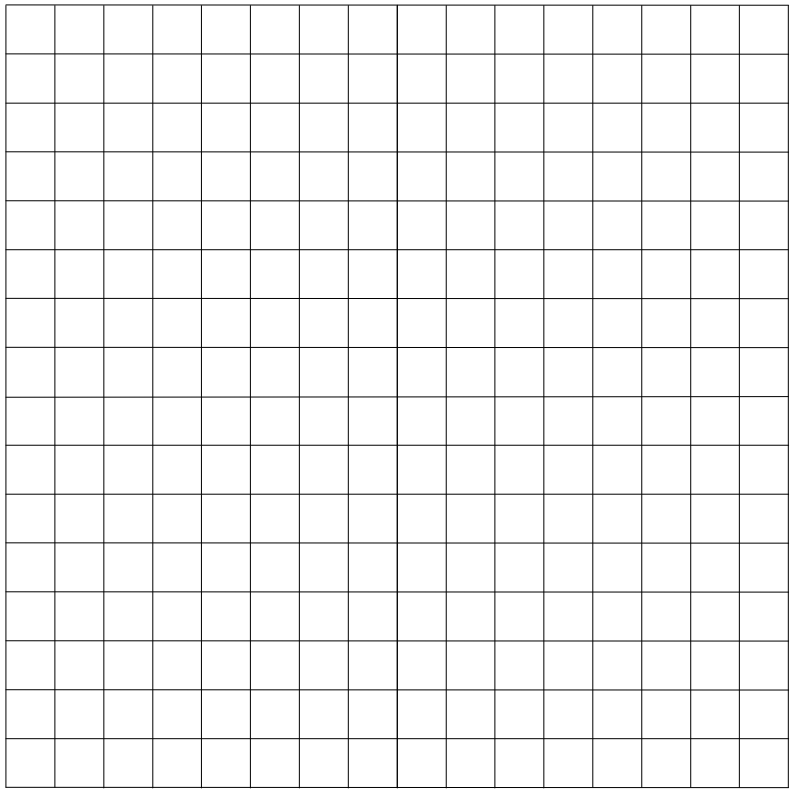

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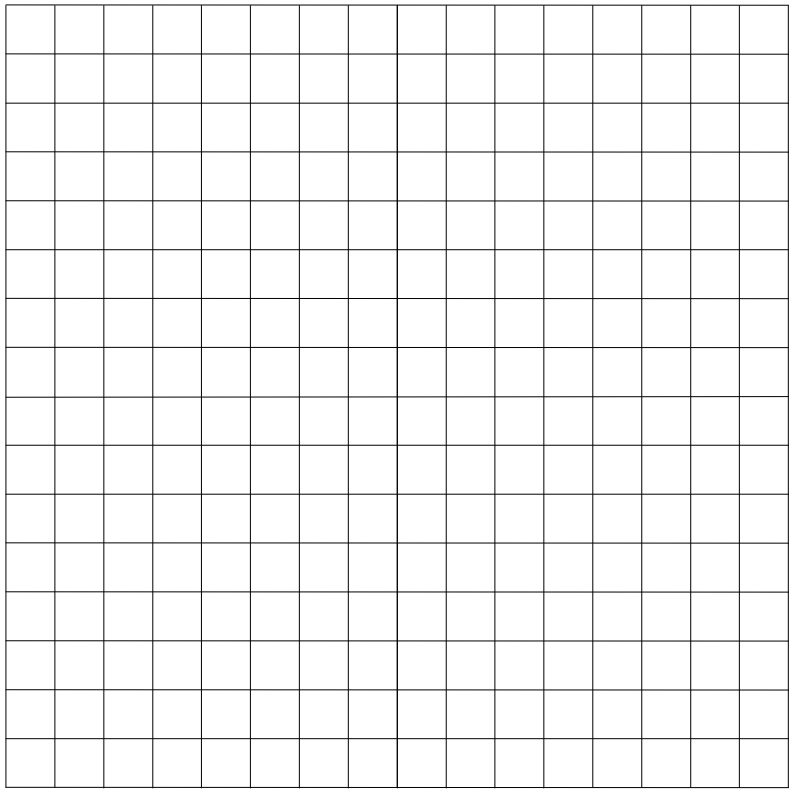

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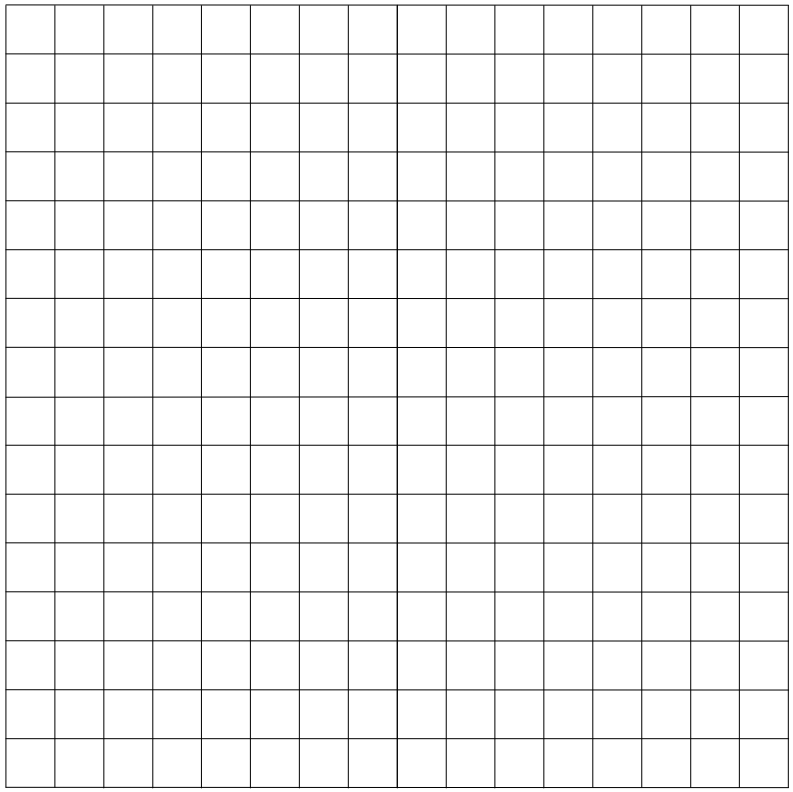

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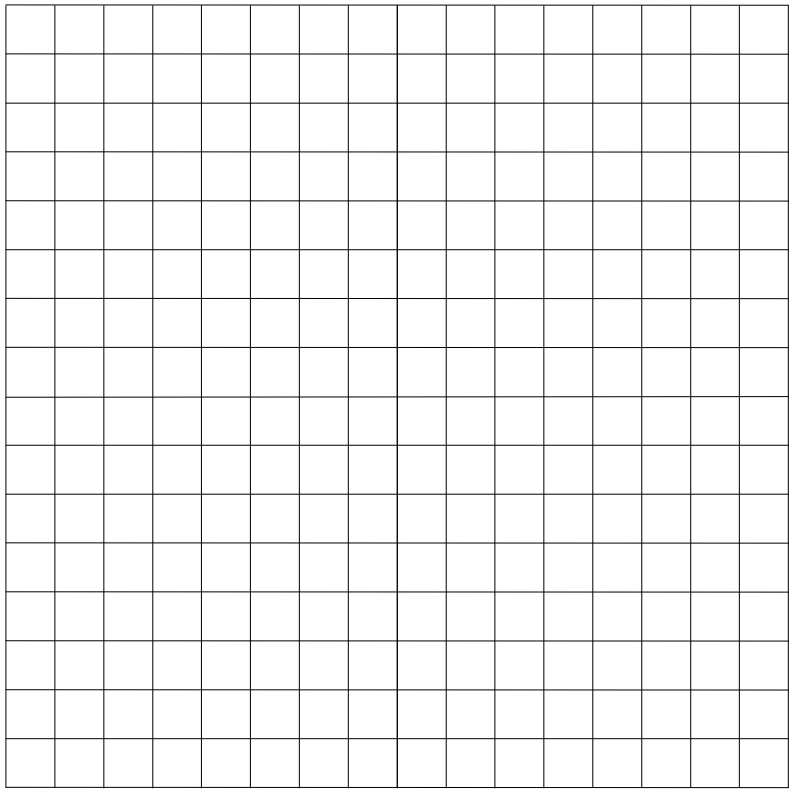

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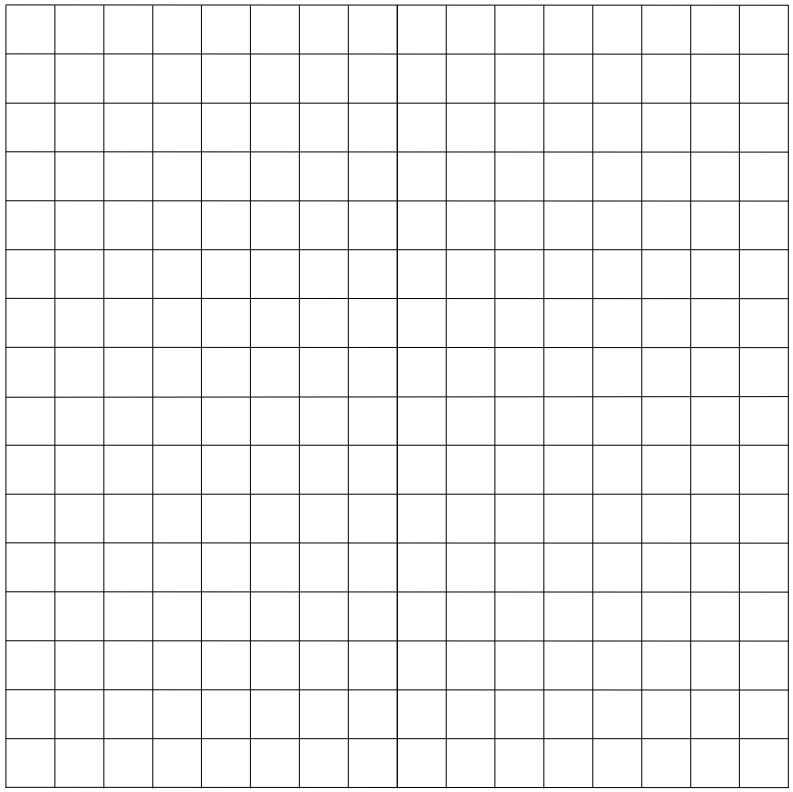

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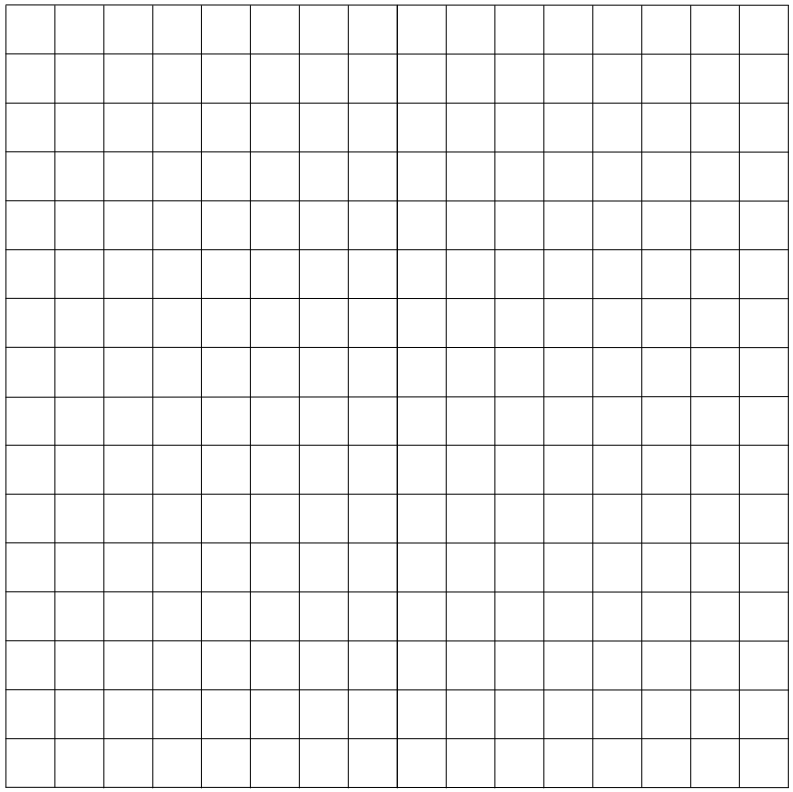

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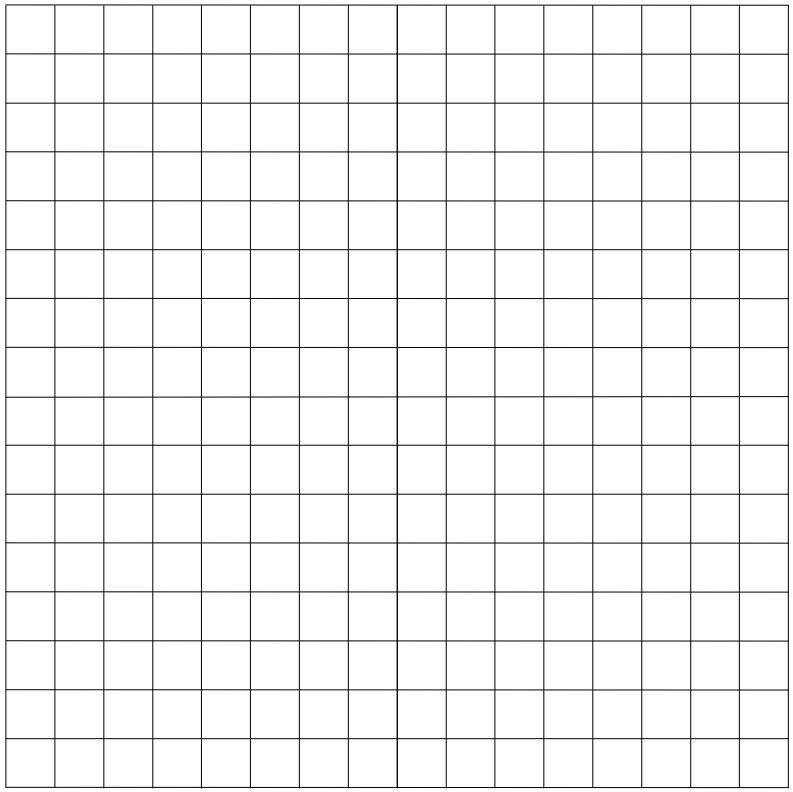

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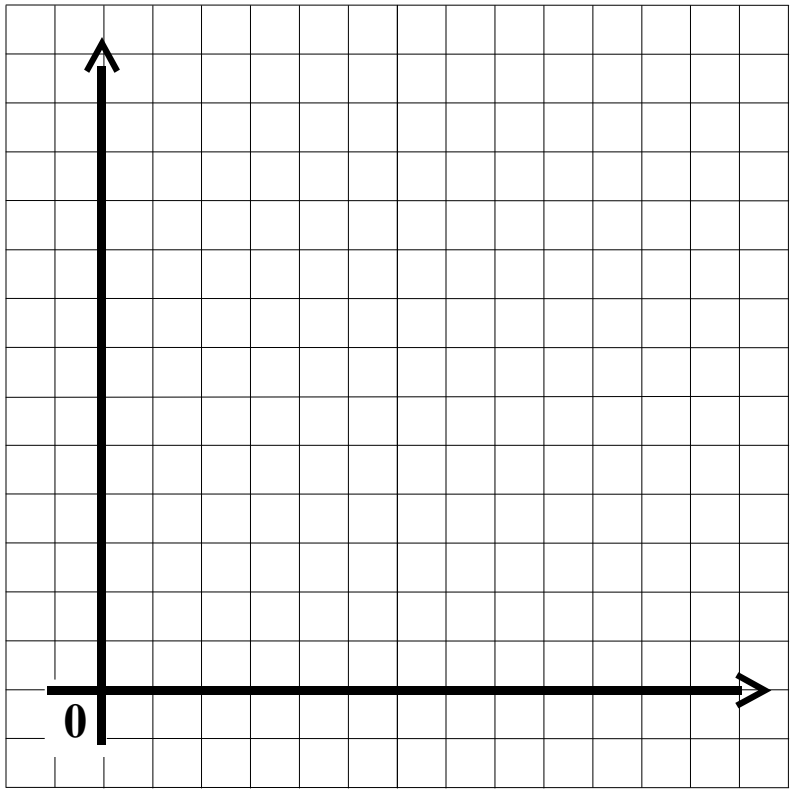

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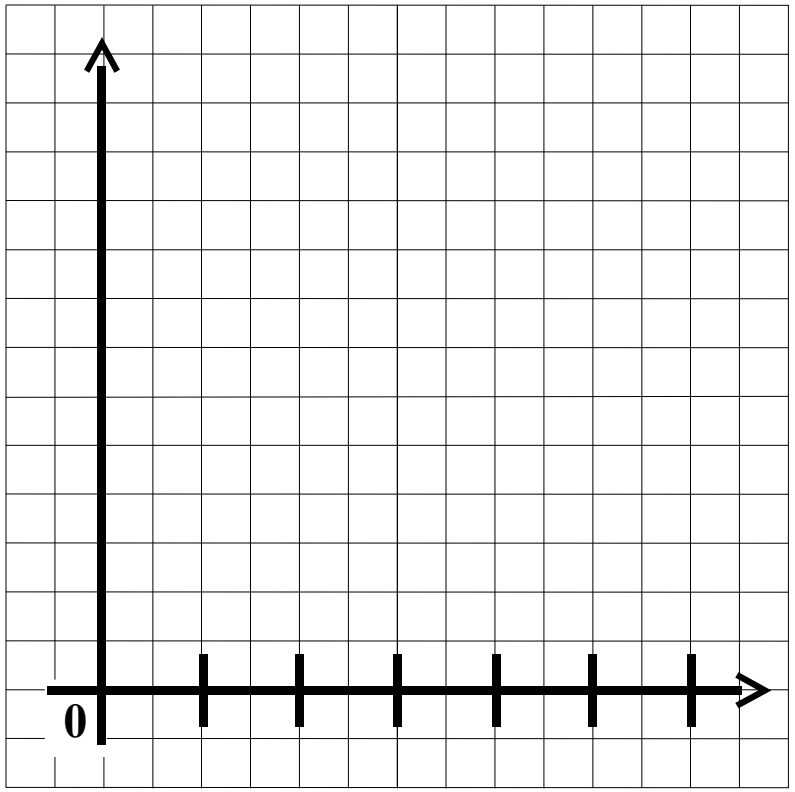

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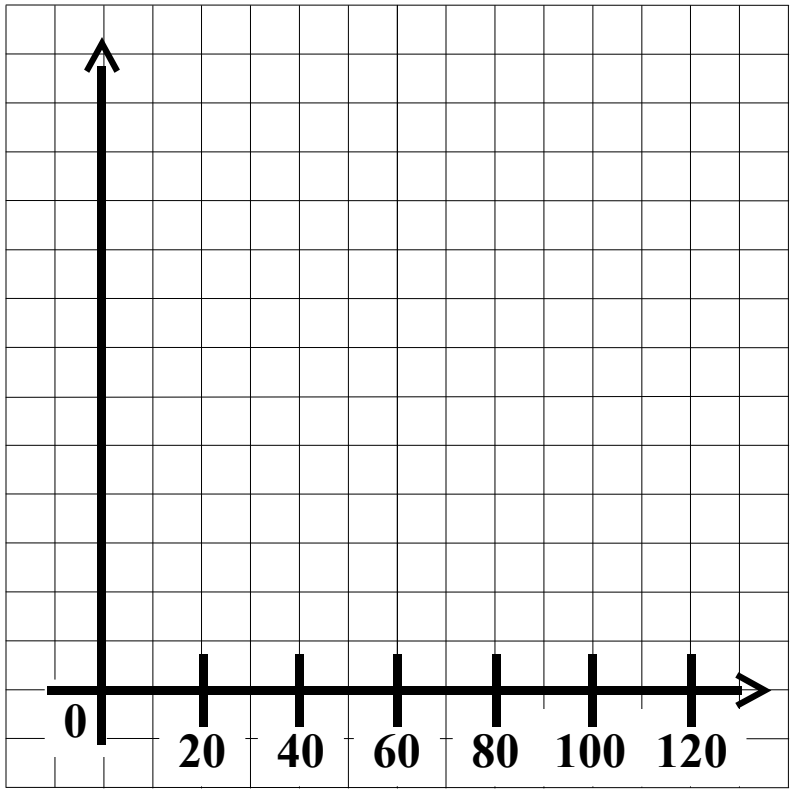

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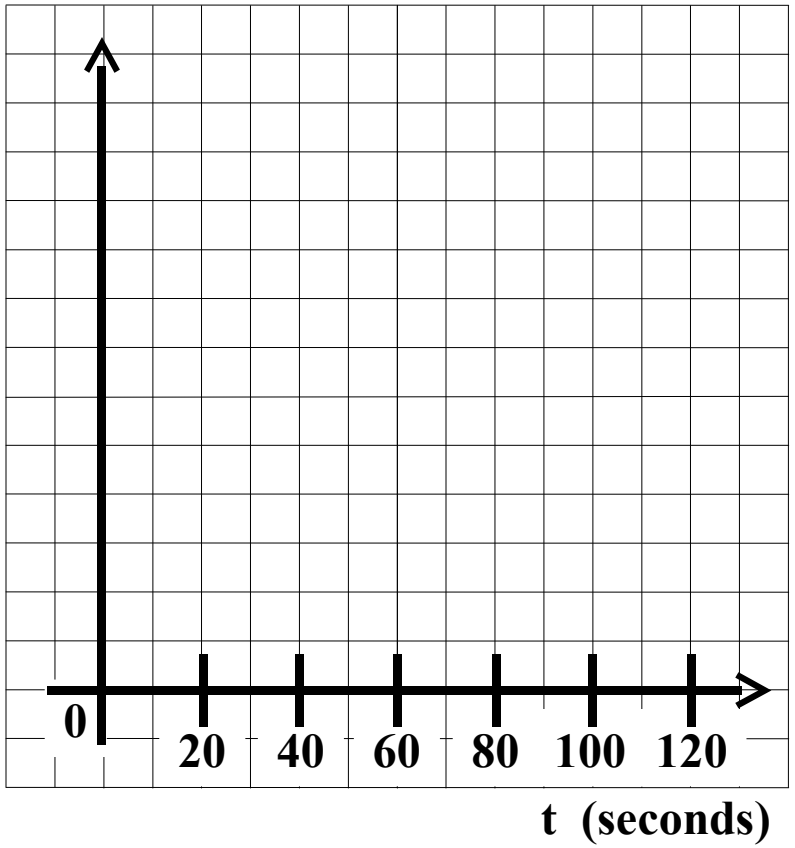

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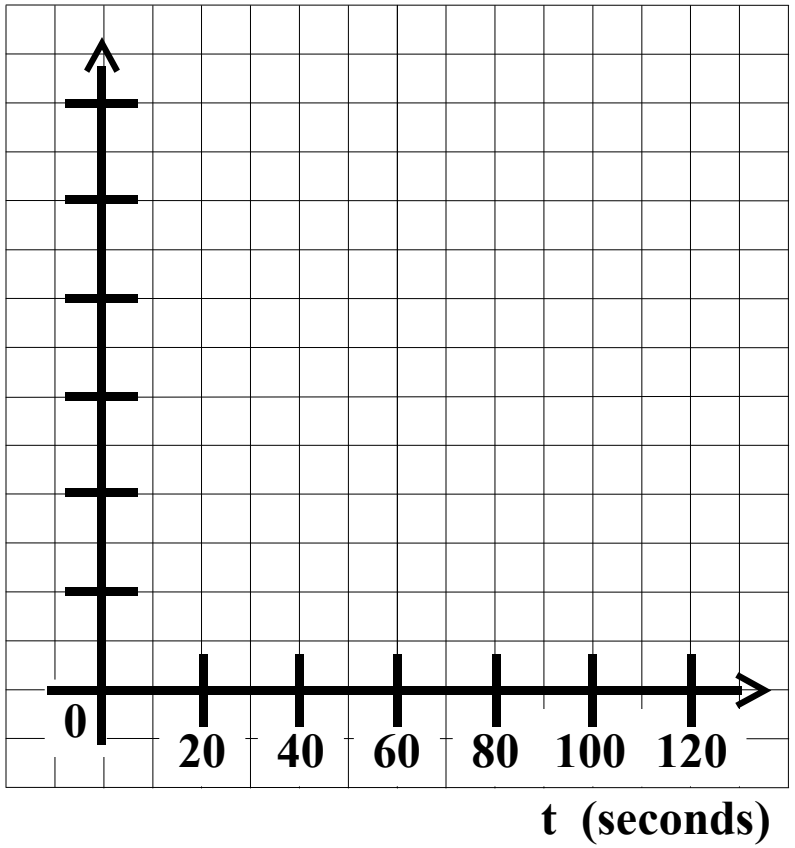

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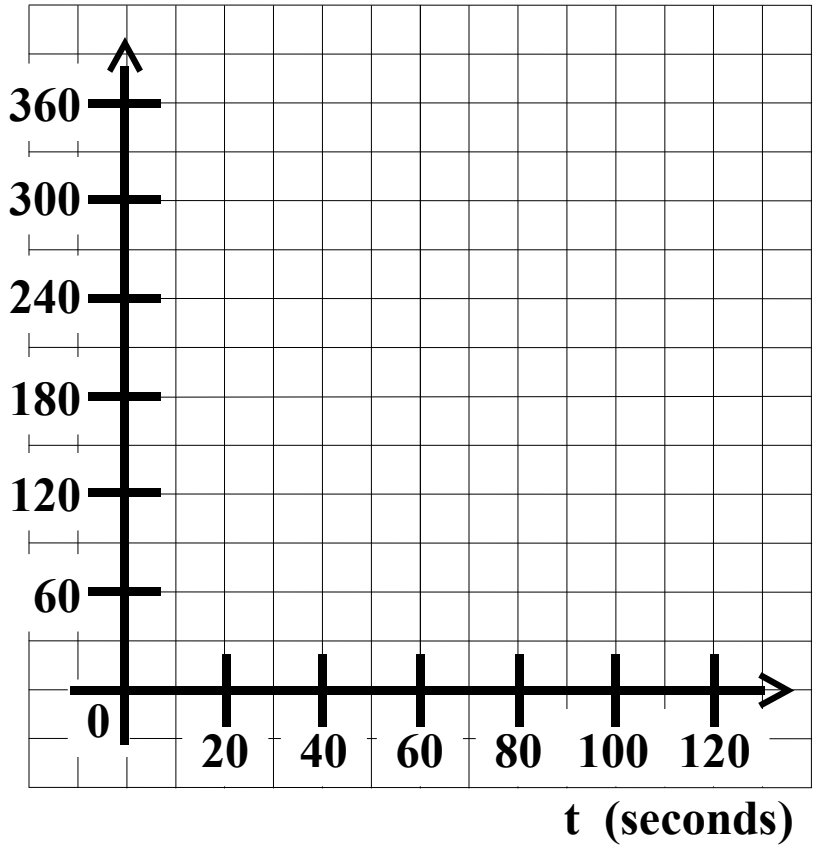

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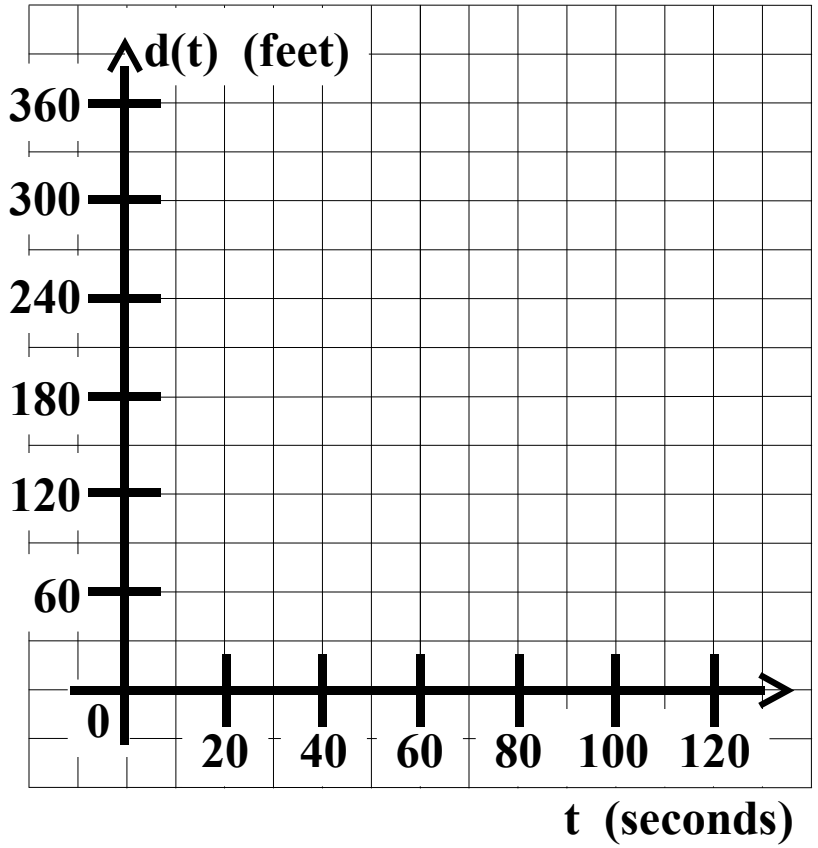

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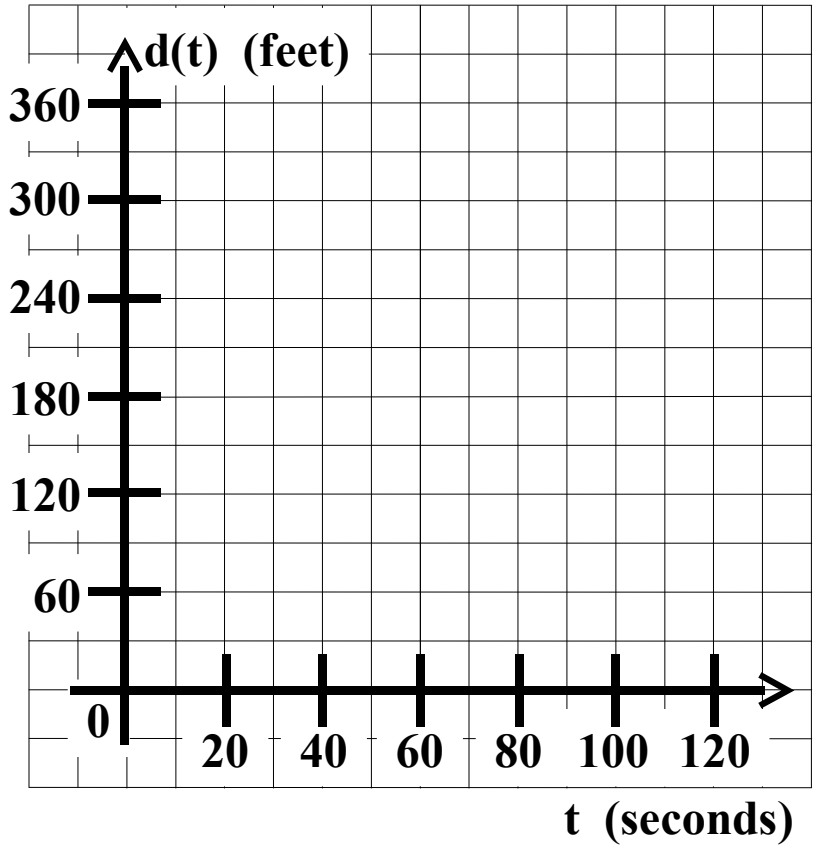

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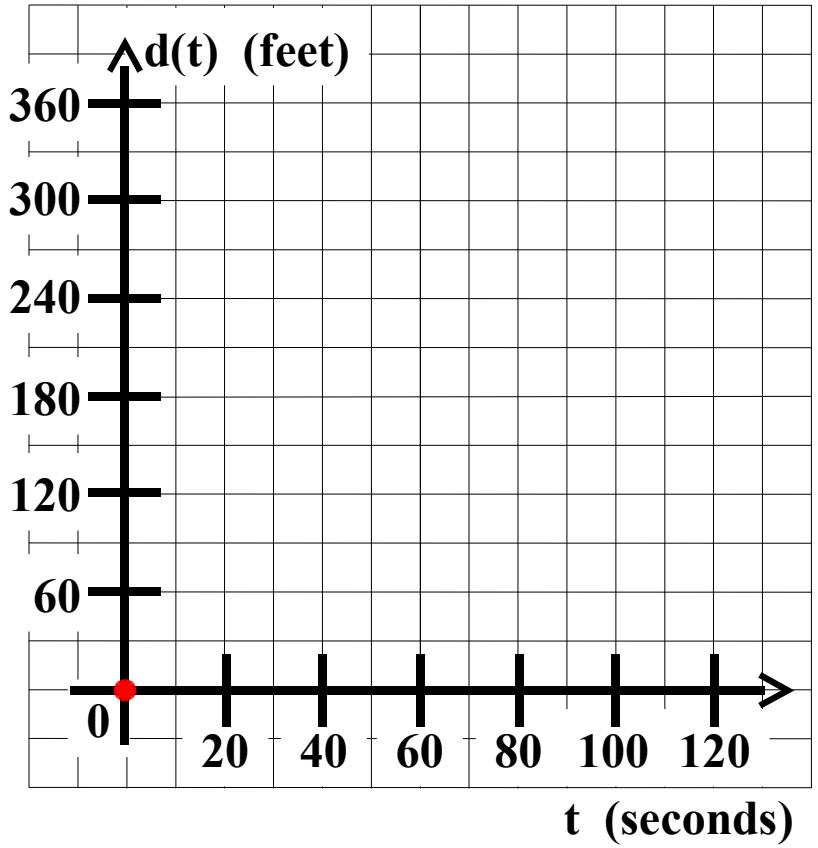

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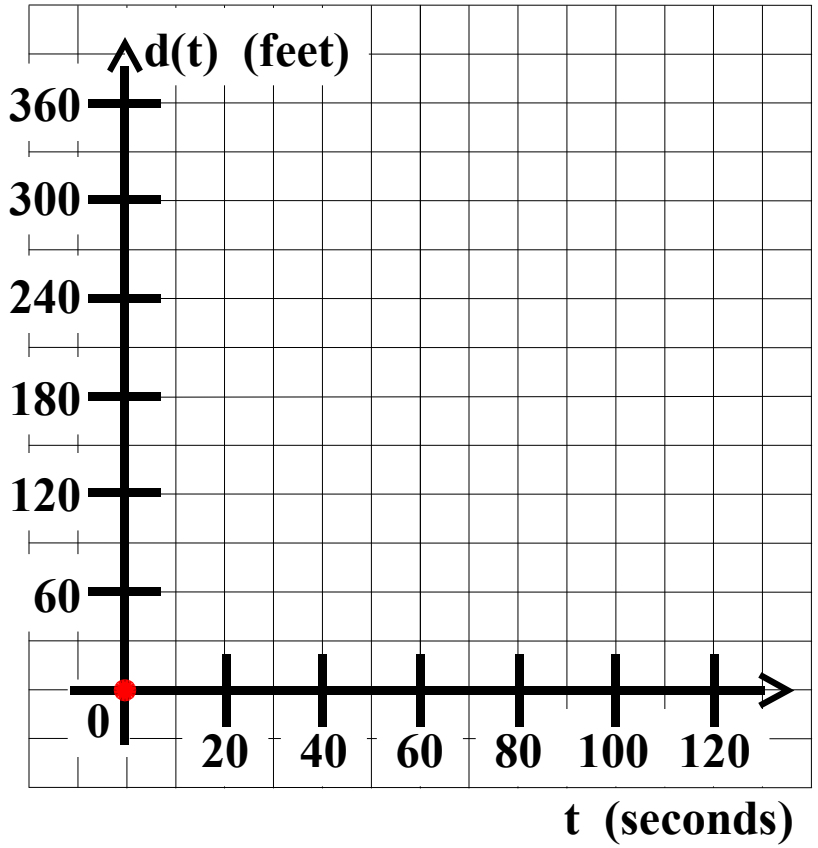

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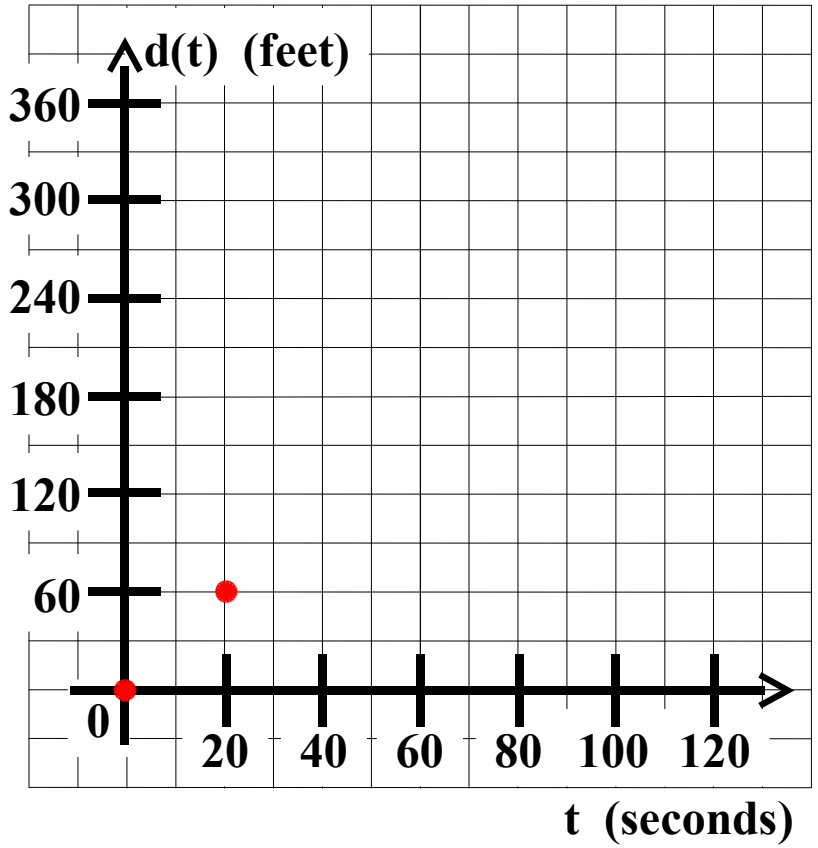

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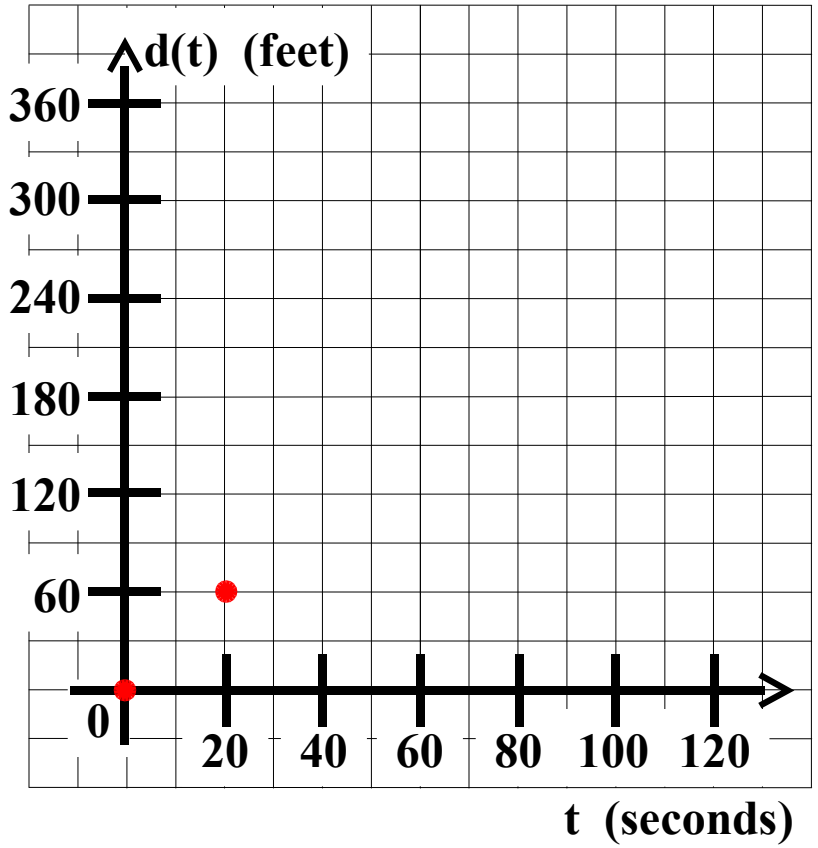

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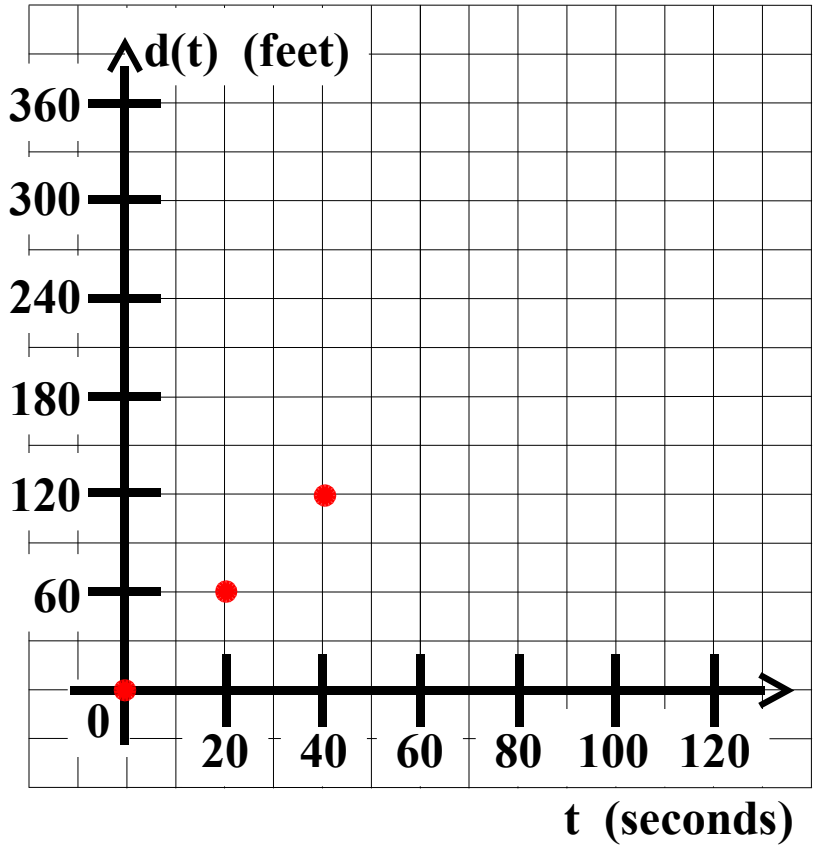

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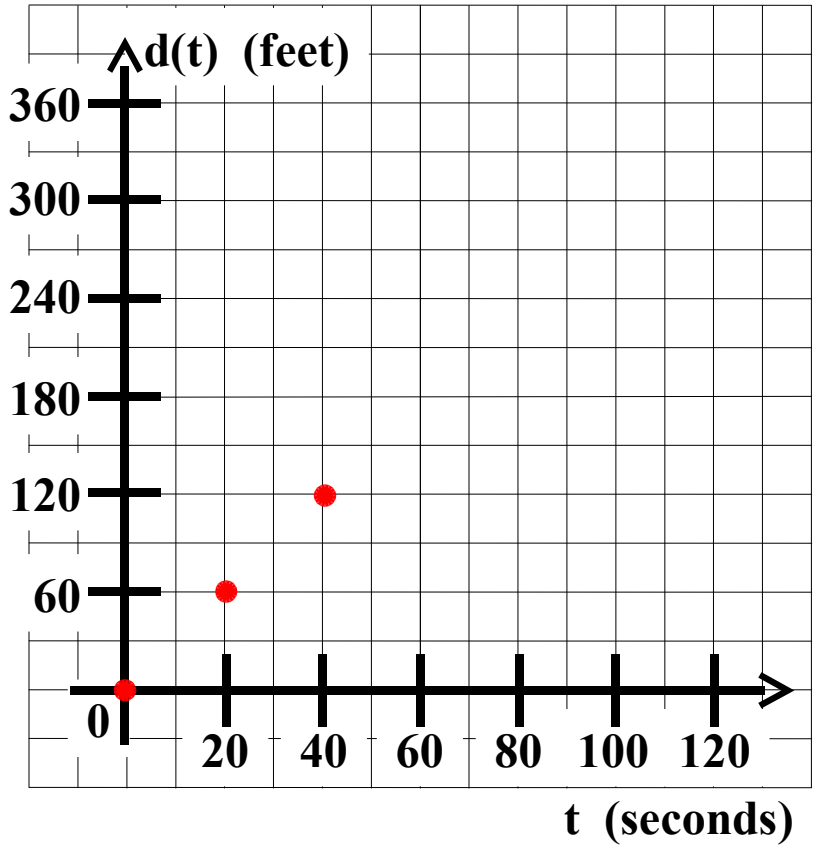

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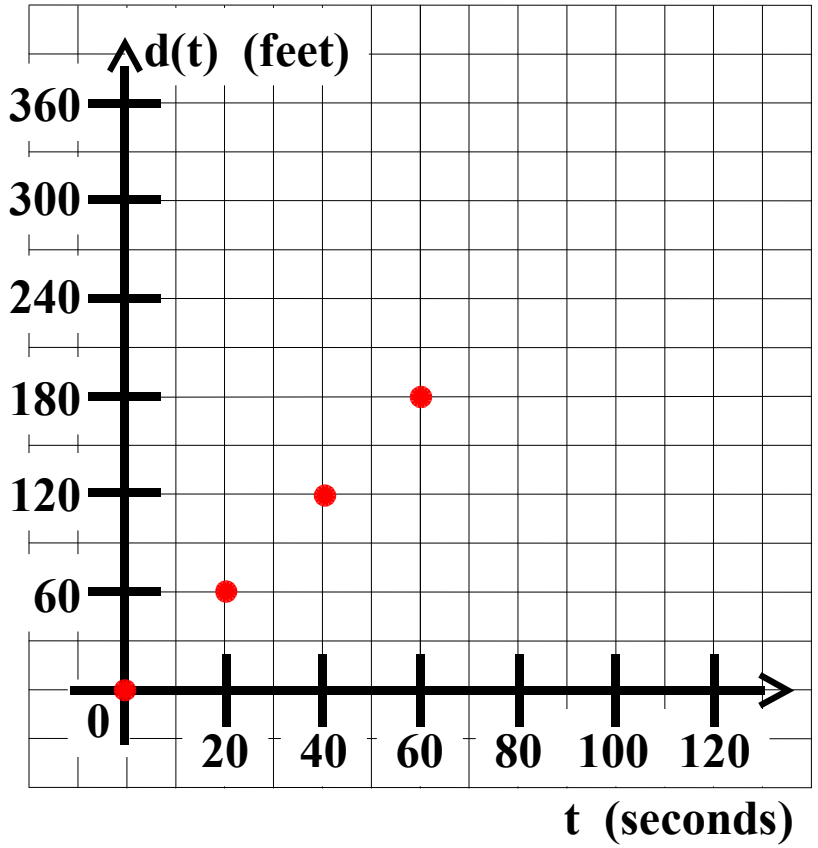

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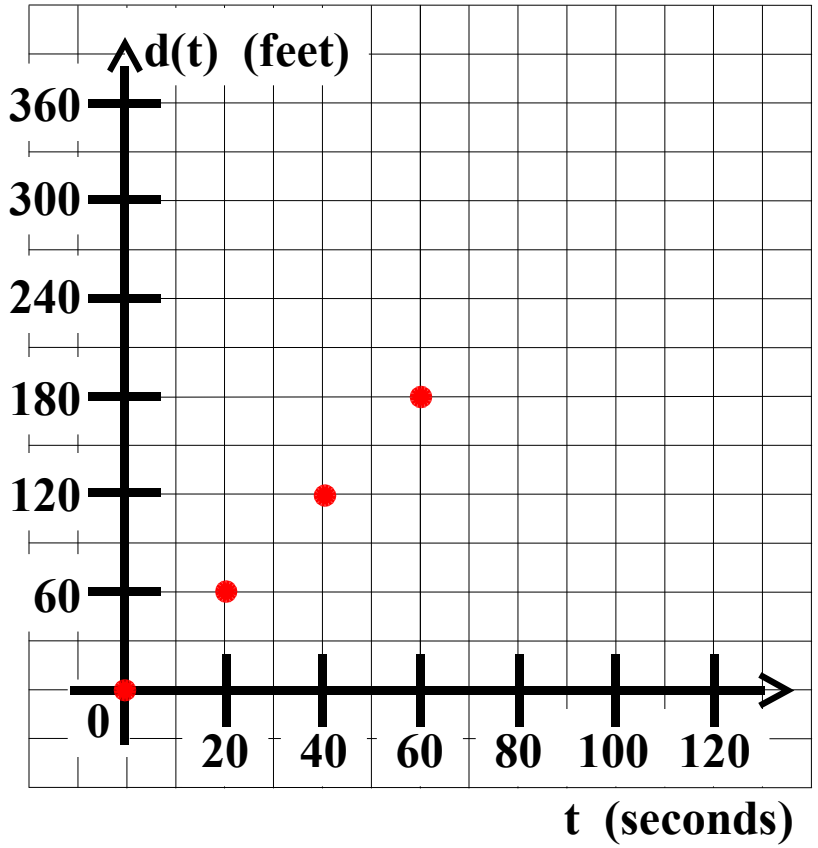

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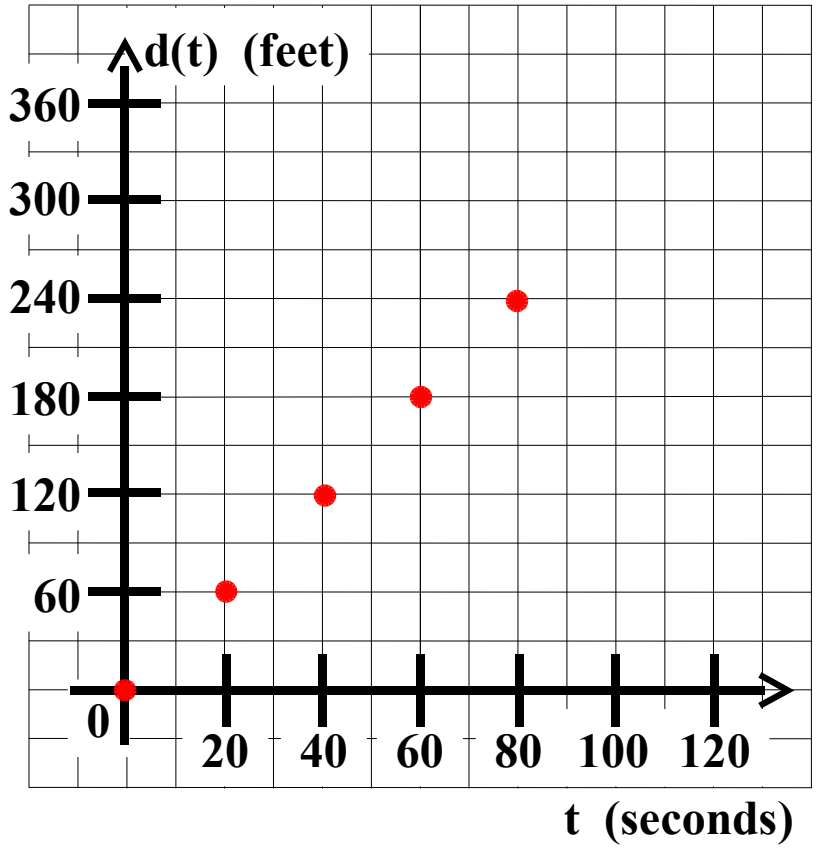

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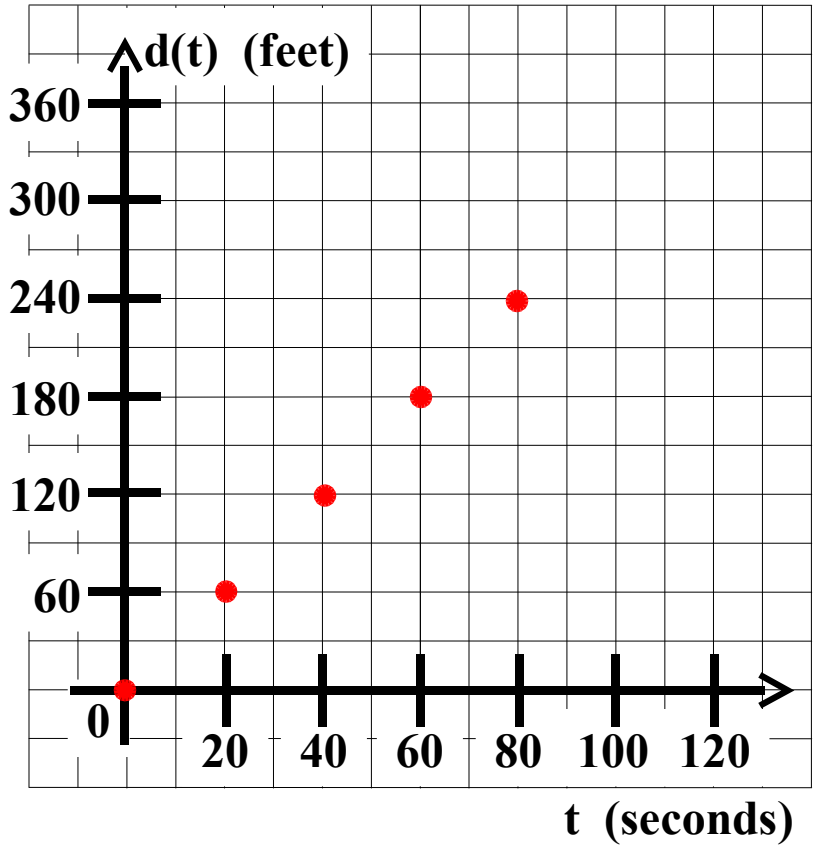

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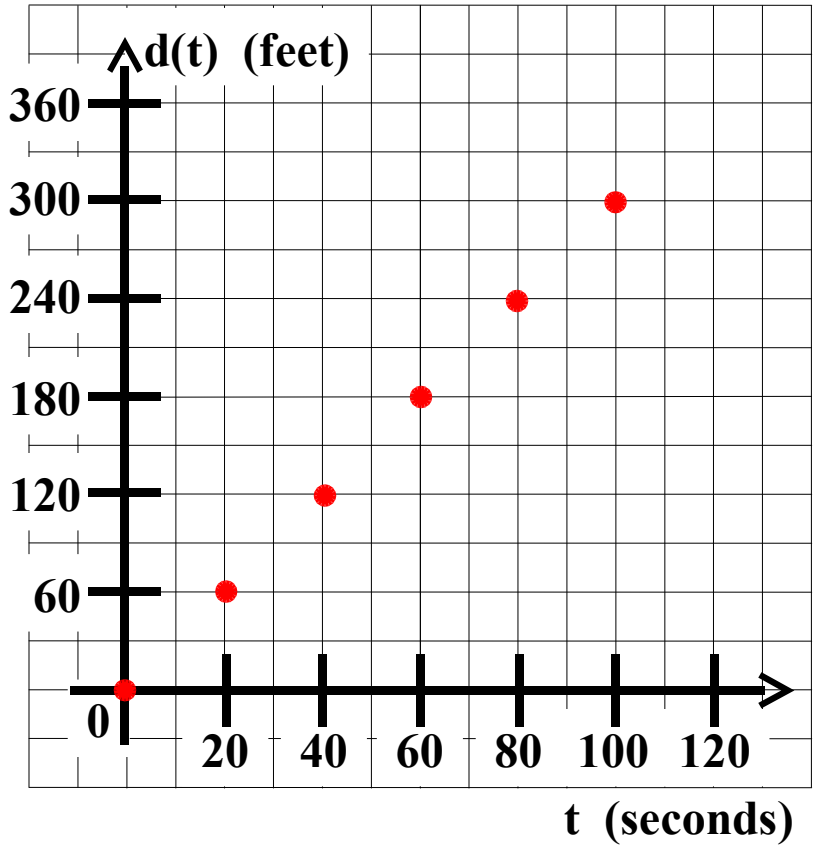

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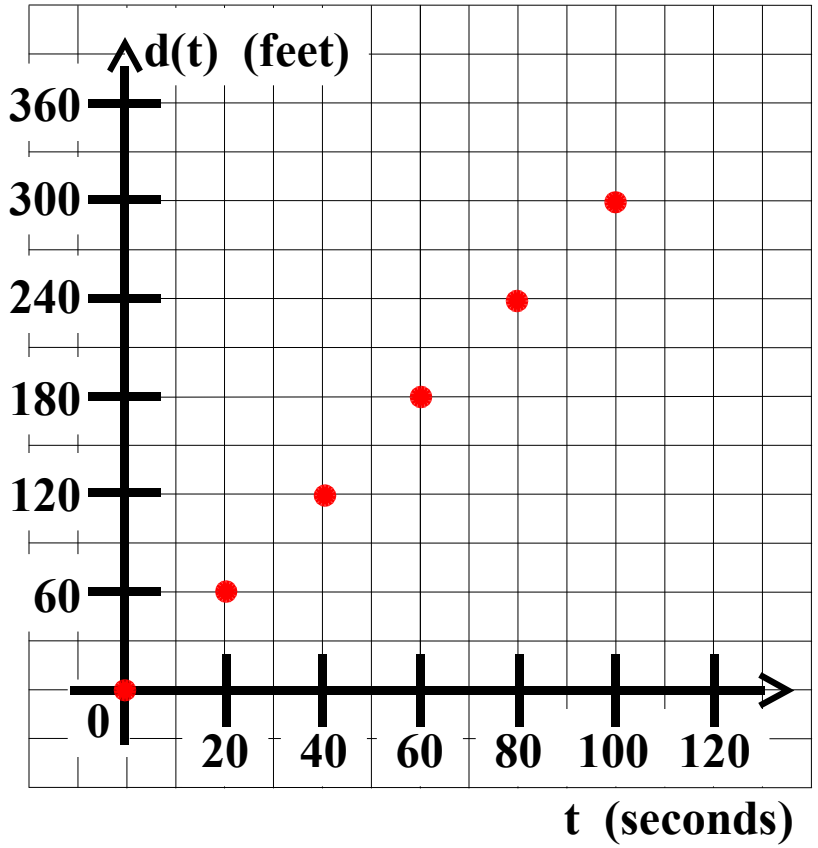

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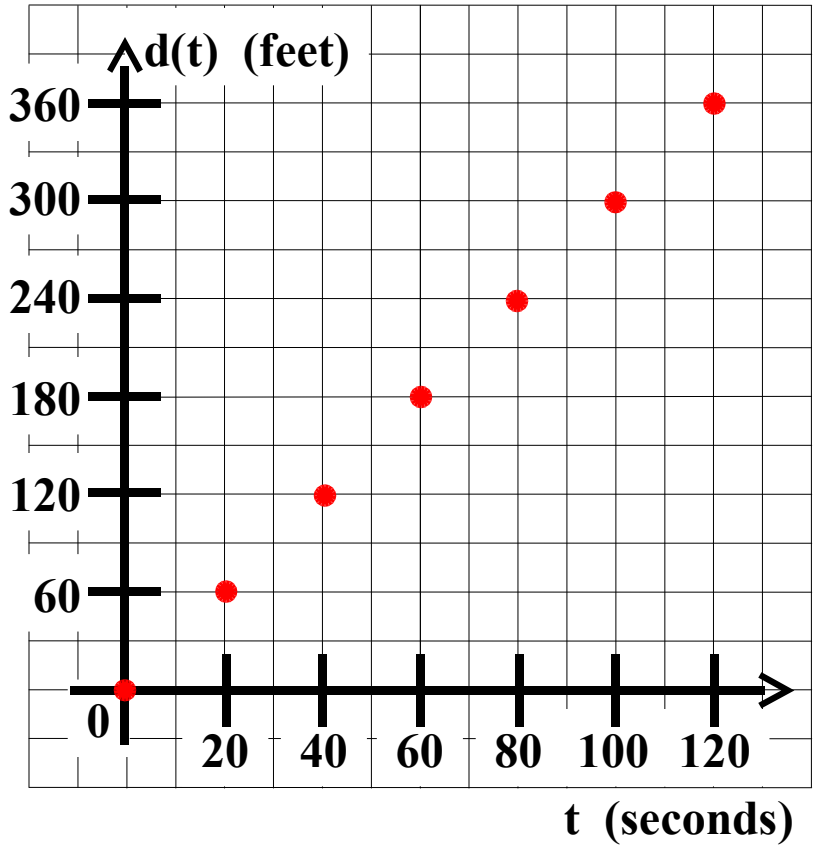

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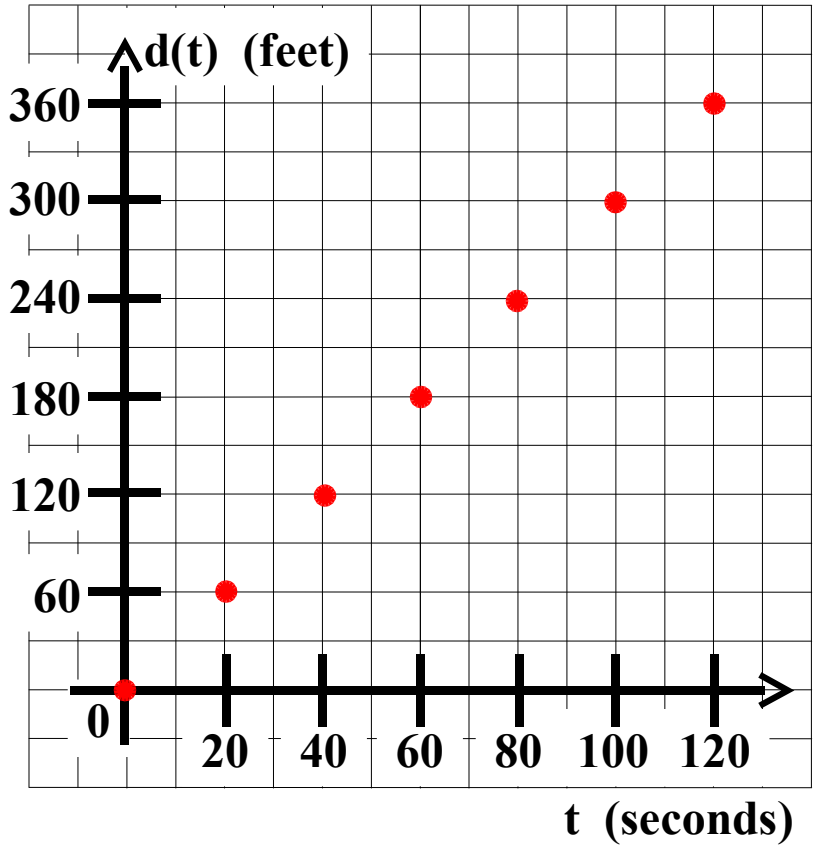

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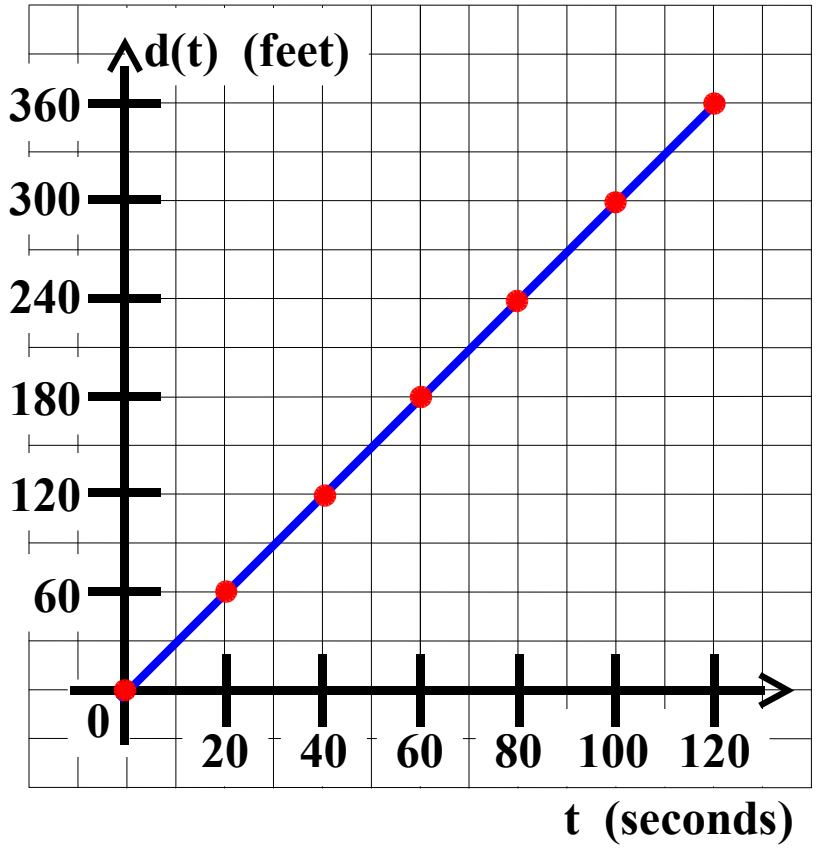

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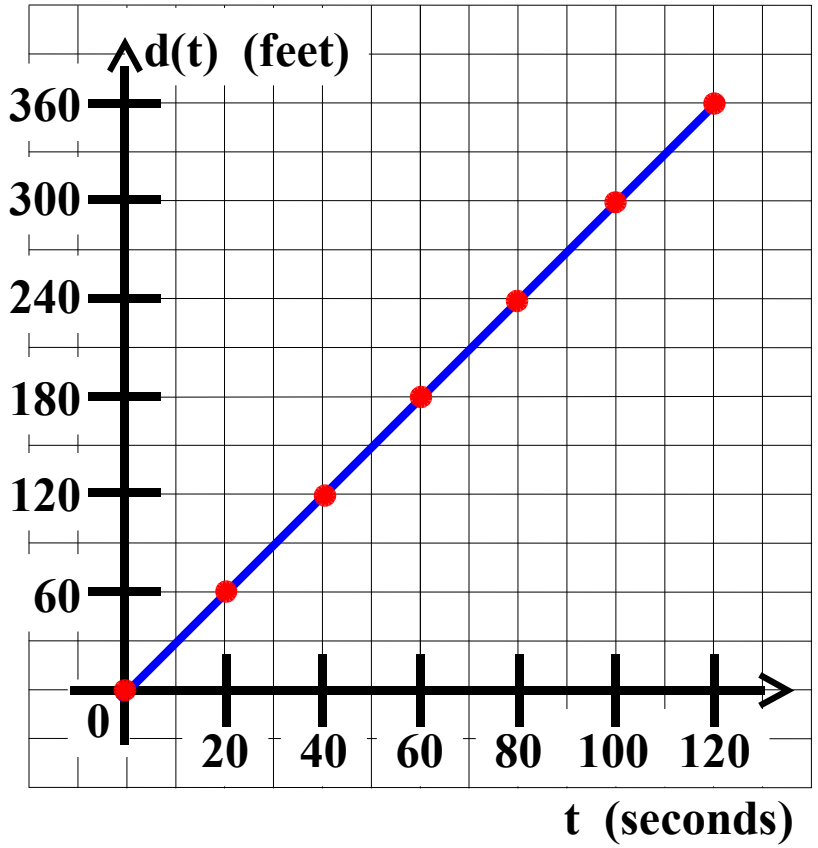

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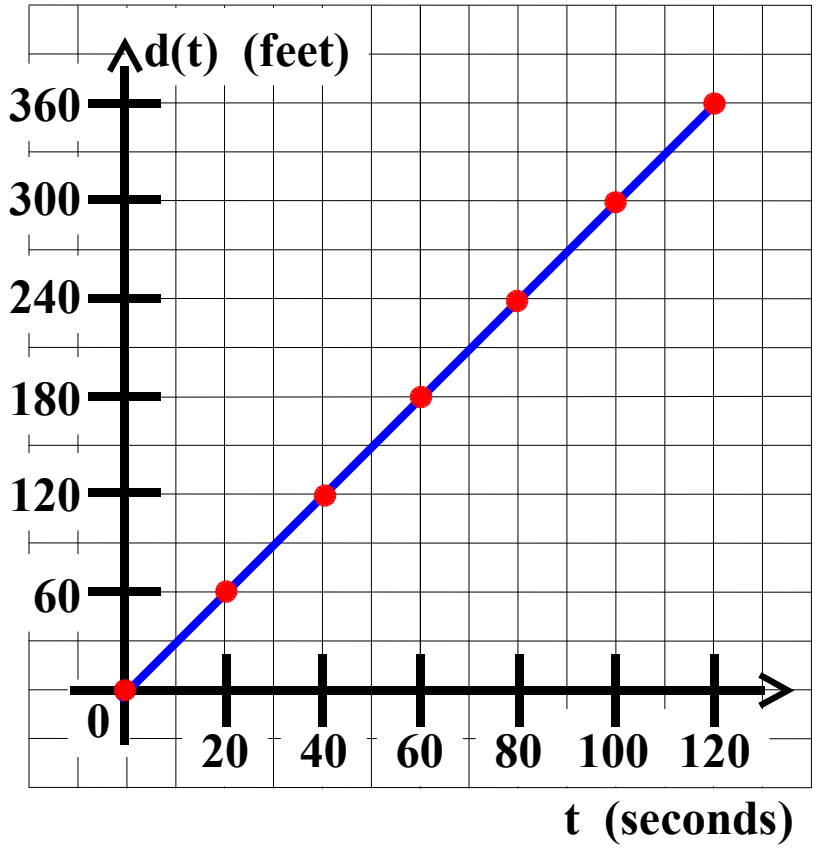

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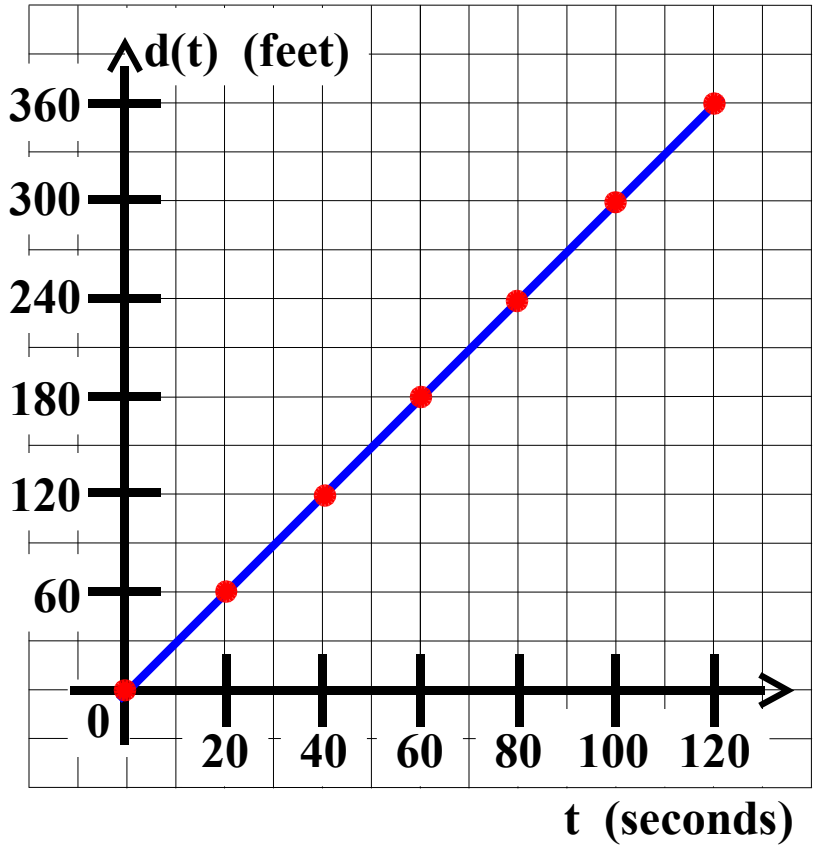

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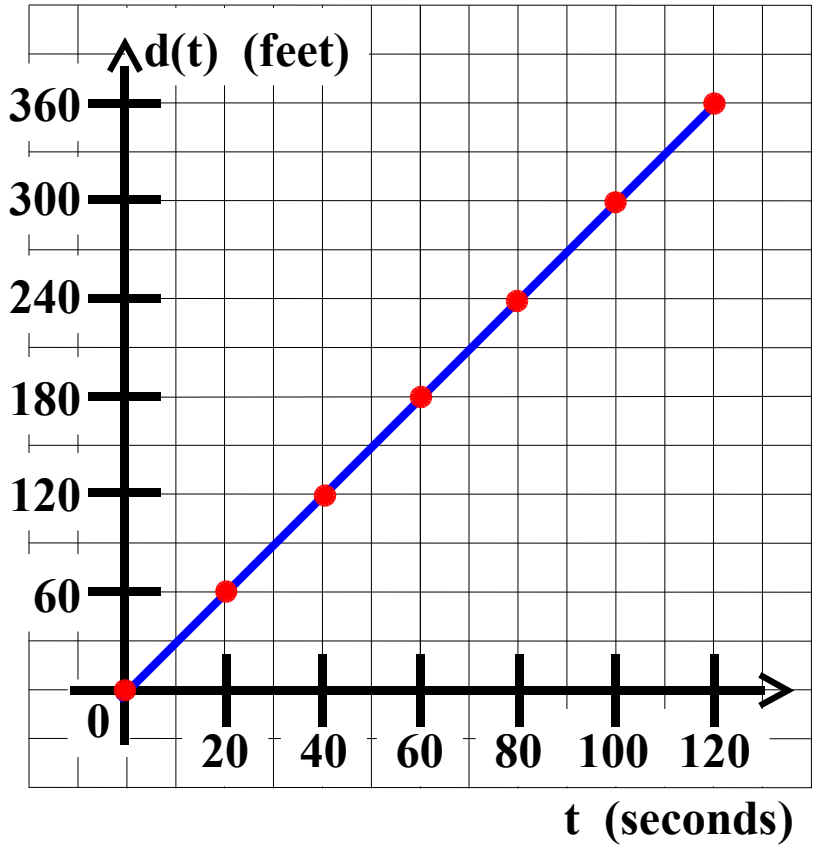

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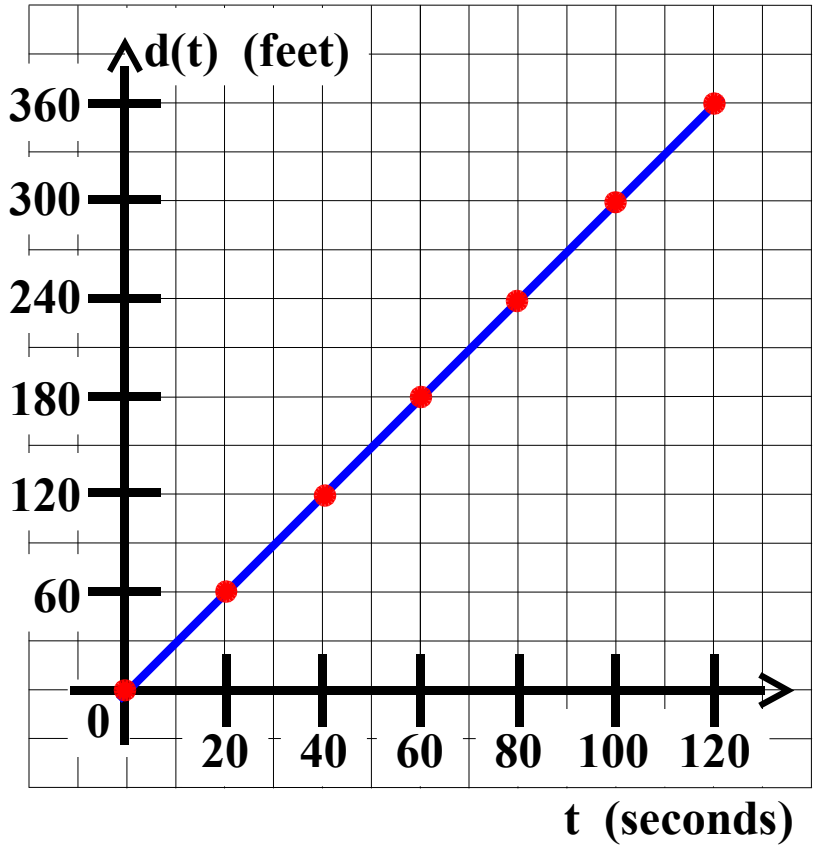

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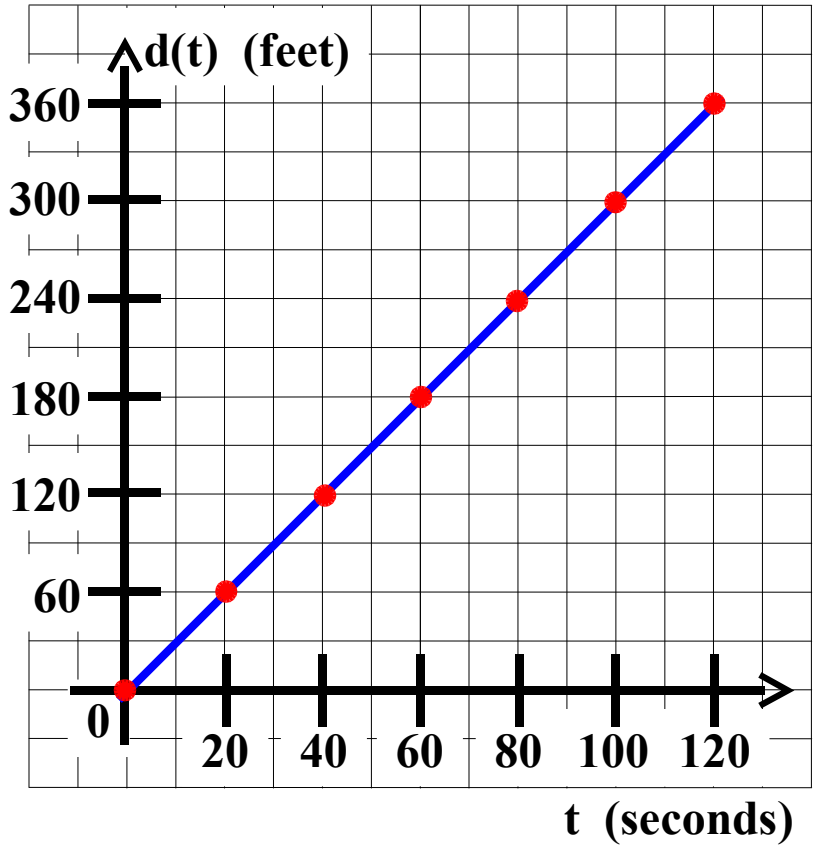

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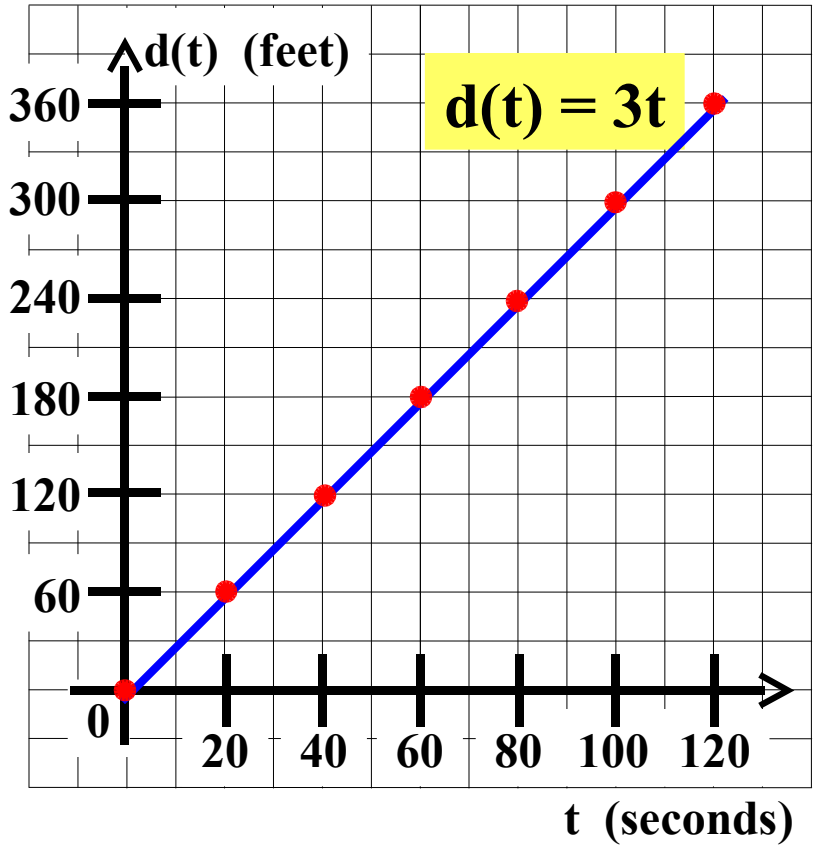

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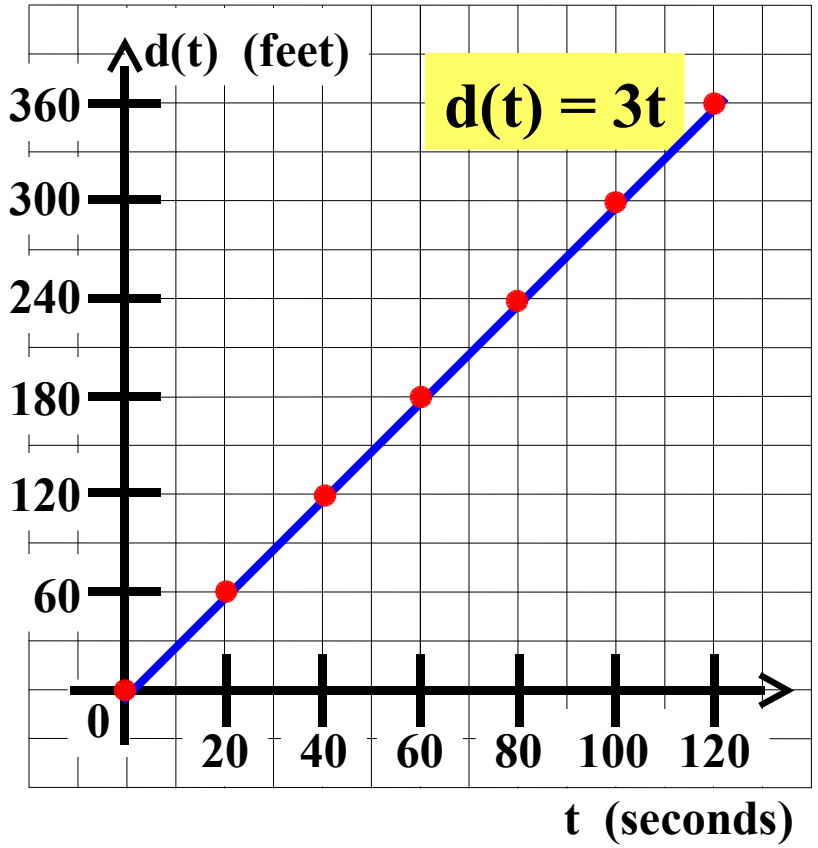

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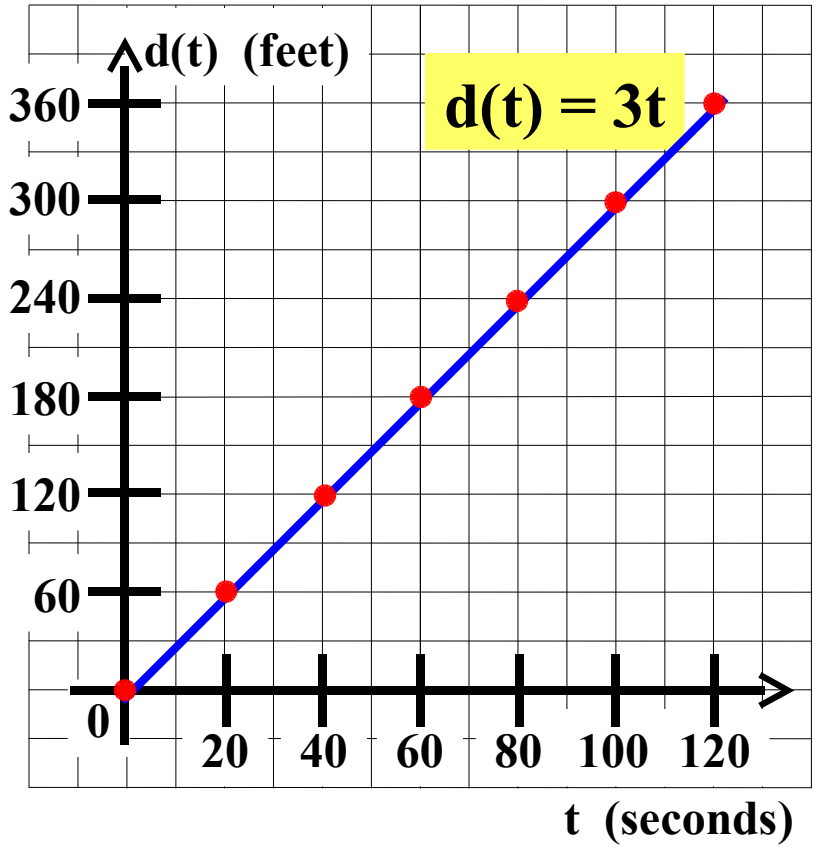

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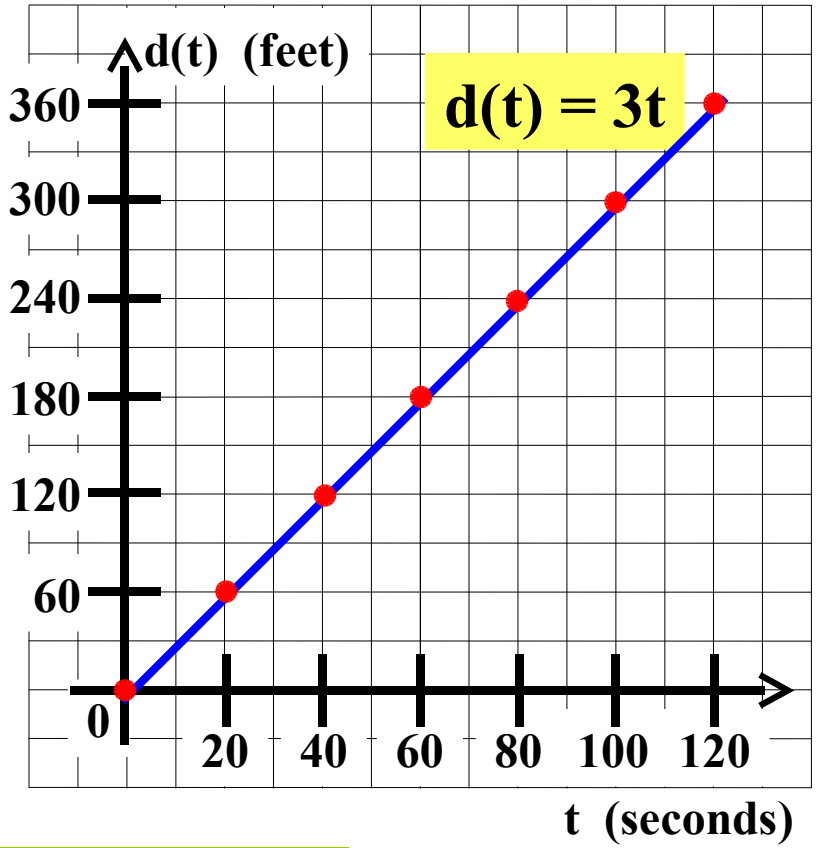

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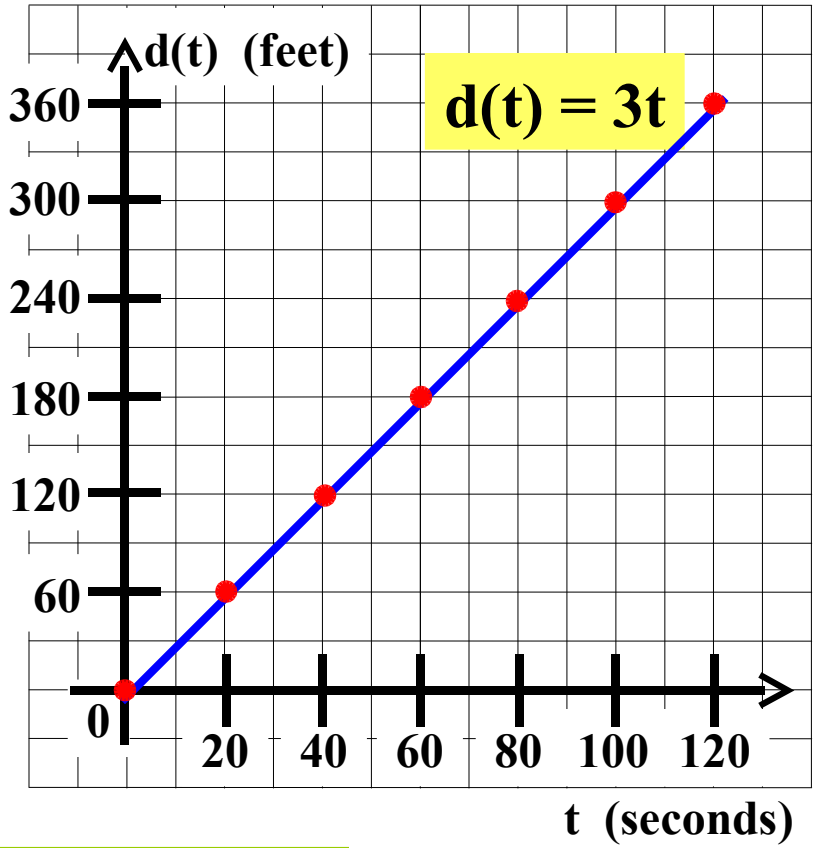

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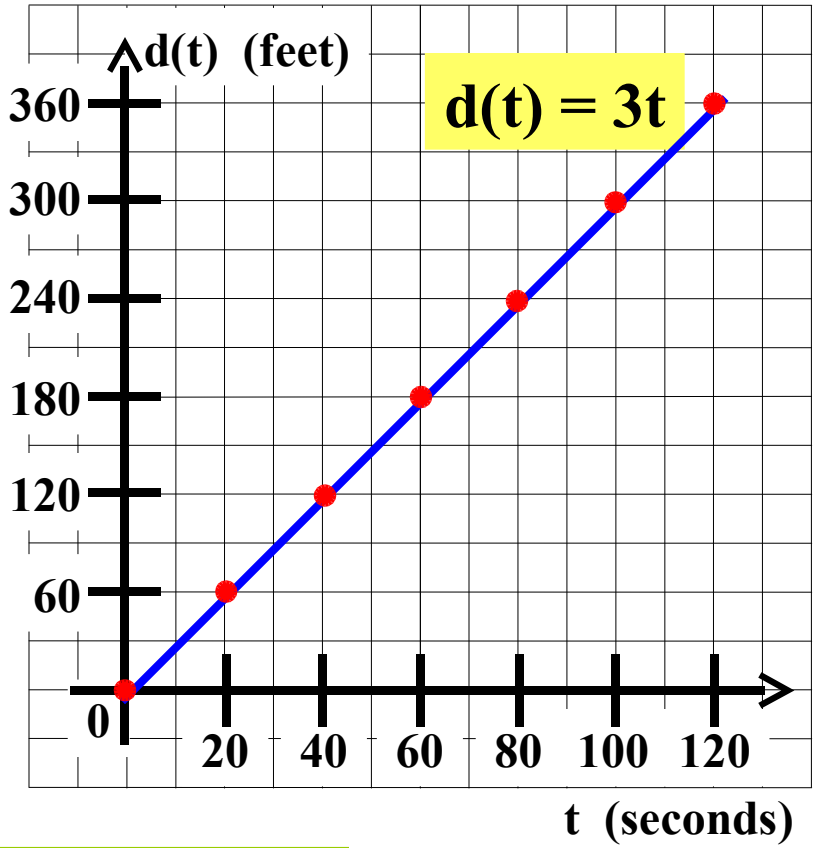

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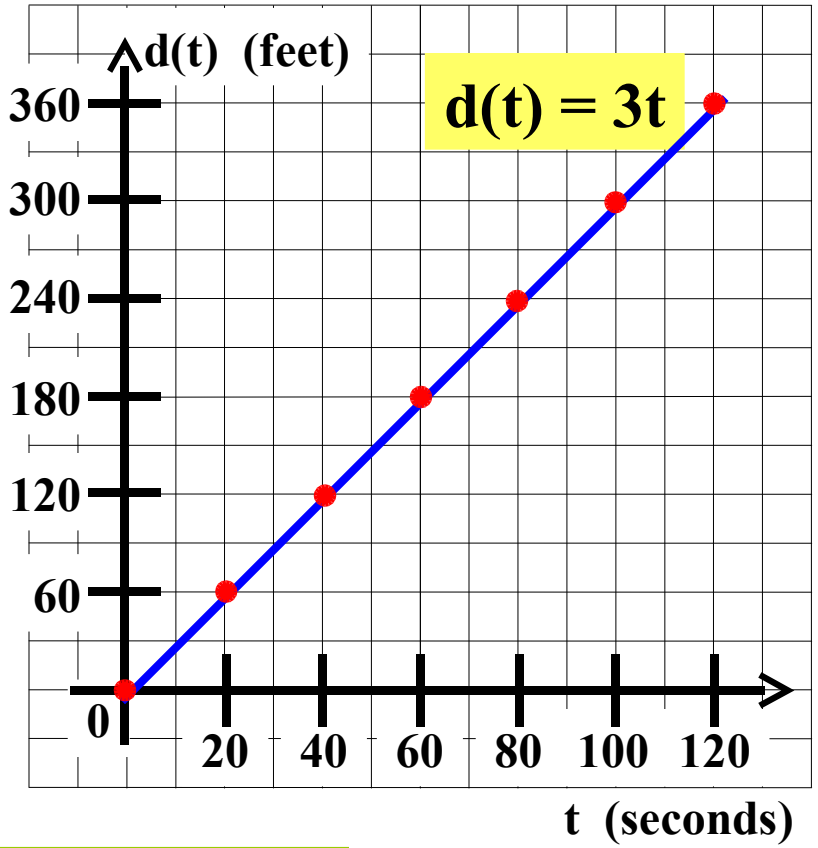

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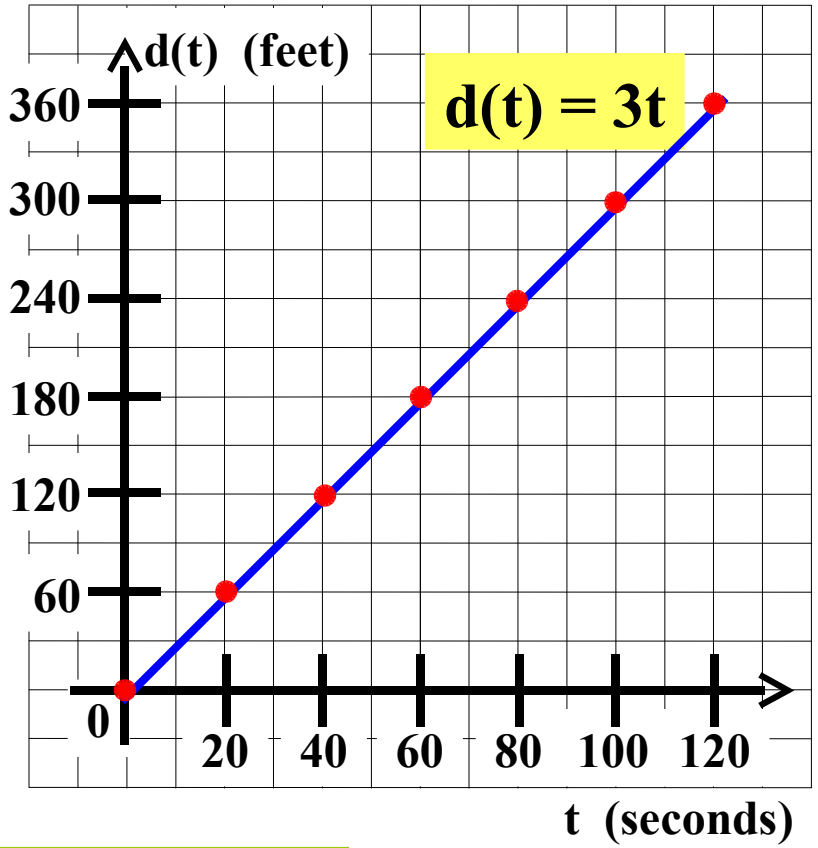

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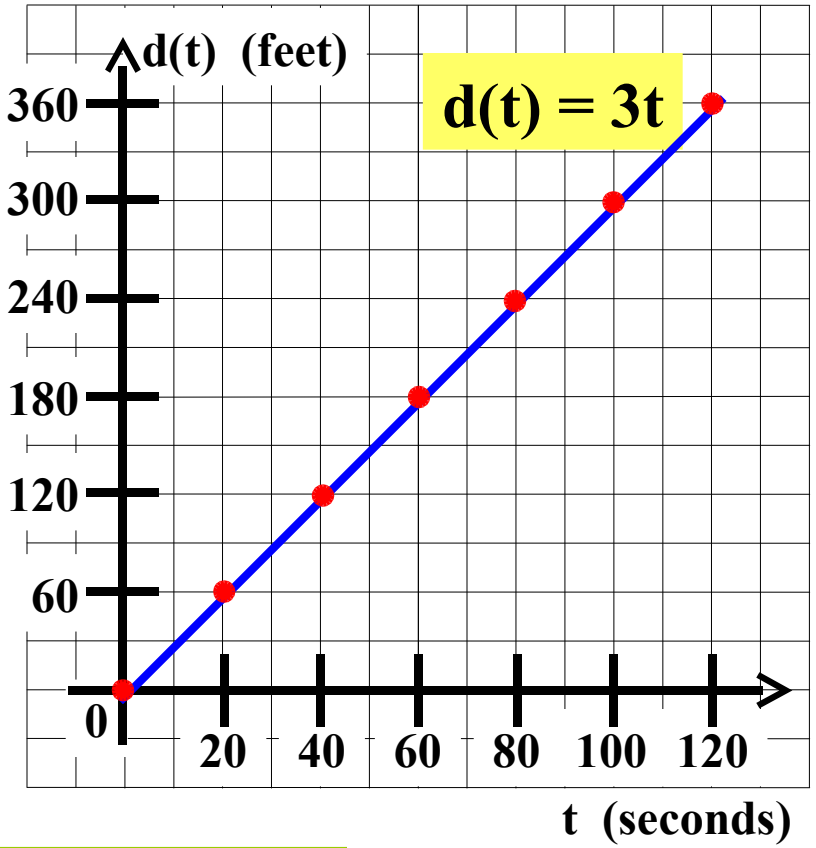

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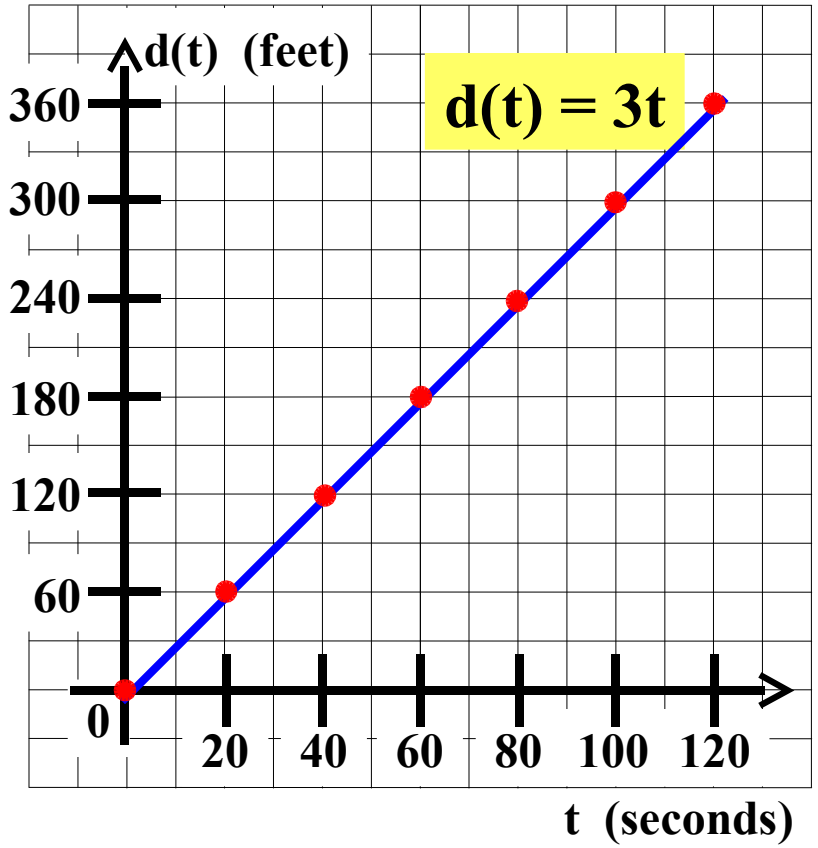

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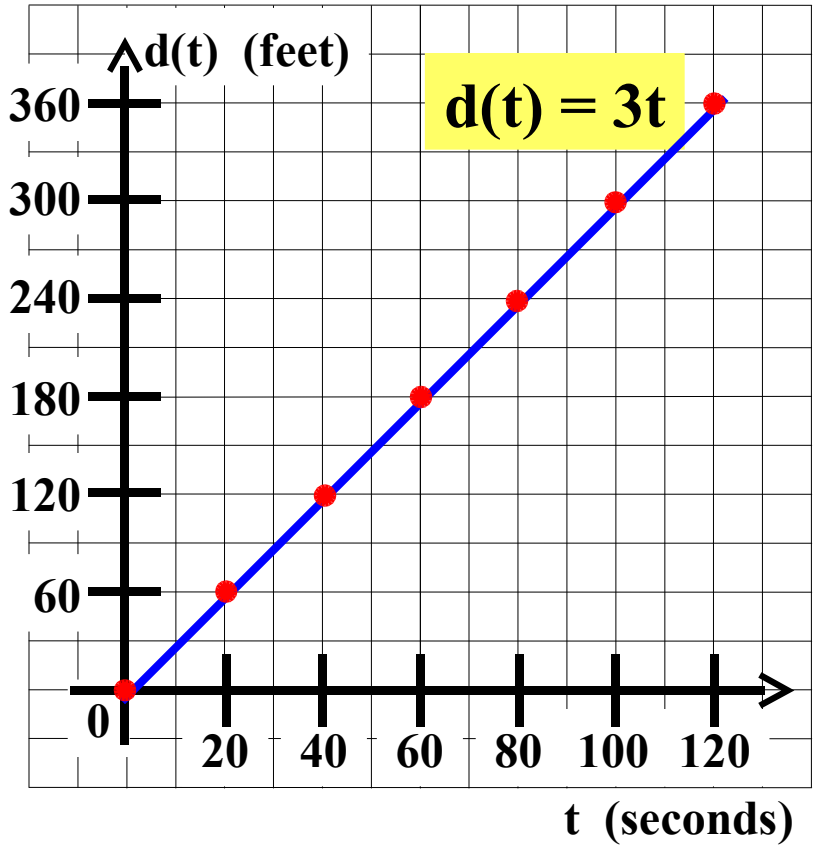

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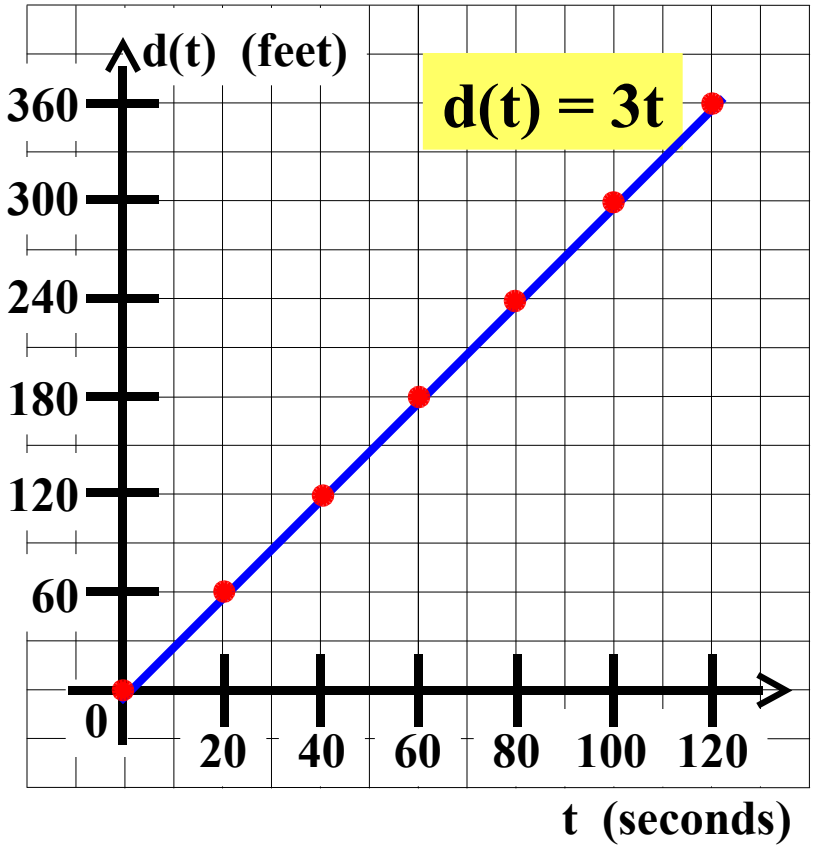

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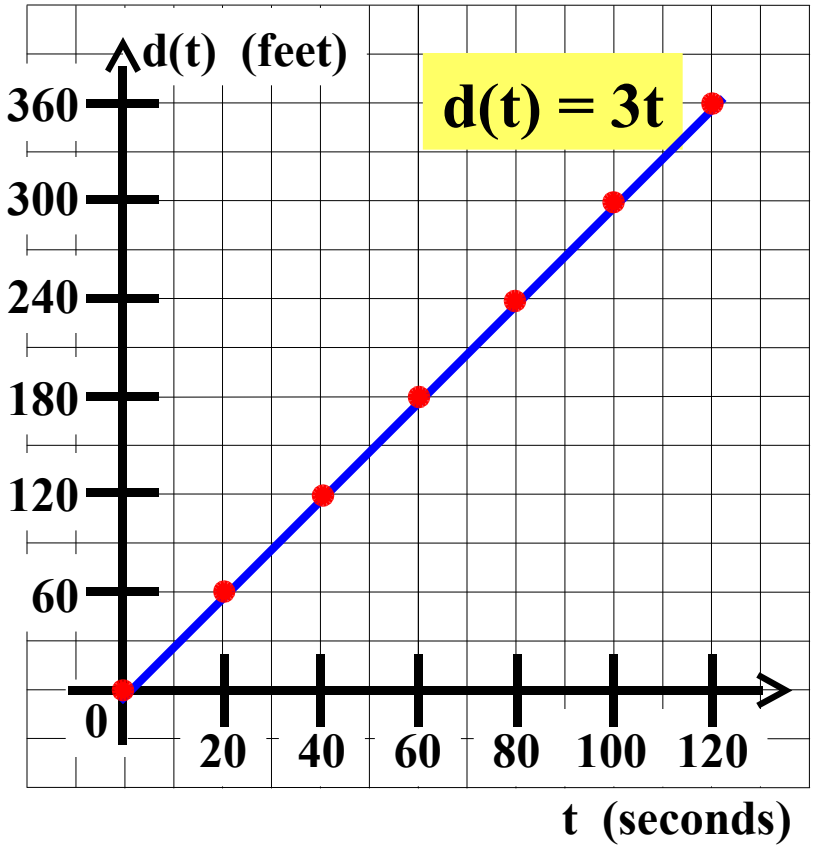

5. What is the range of function d?

[_____

Algebra II Class Worksheet #3 Unit 3

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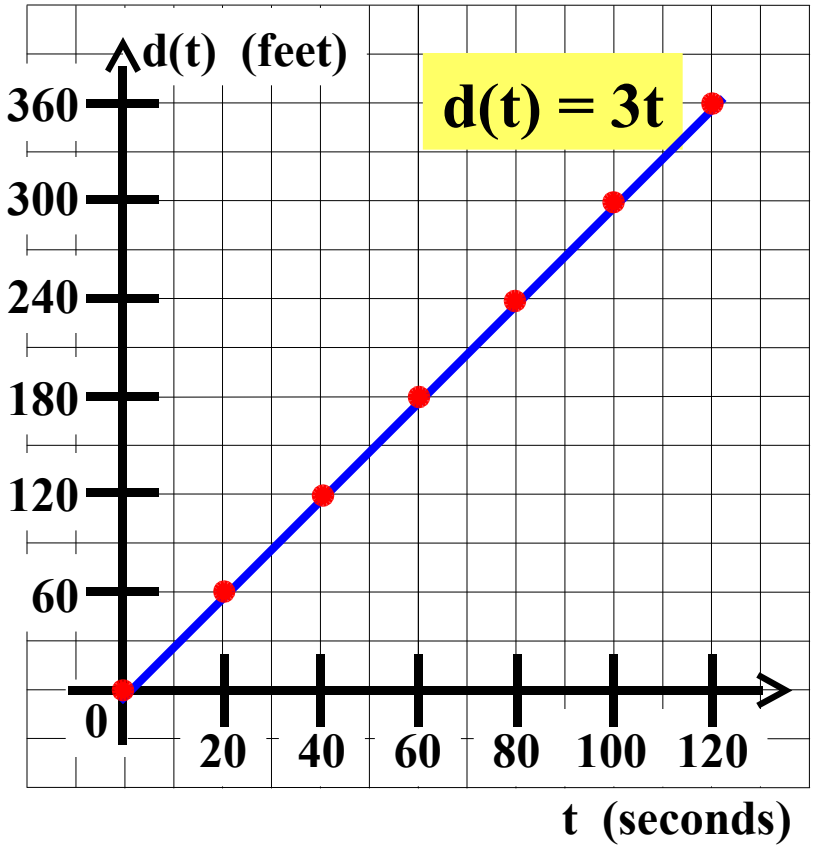
1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

2. Graph function d.



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Algebra II Class Worksheet #3 Unit 3

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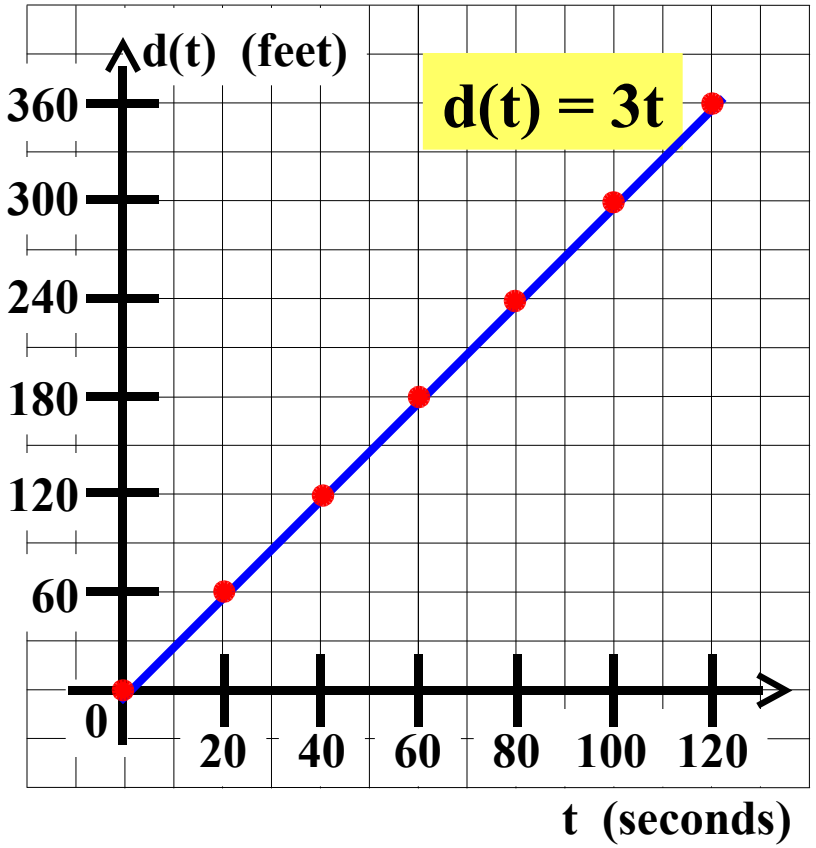
0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

2. Graph function d.



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Algebra II Class Worksheet #3 Unit 3

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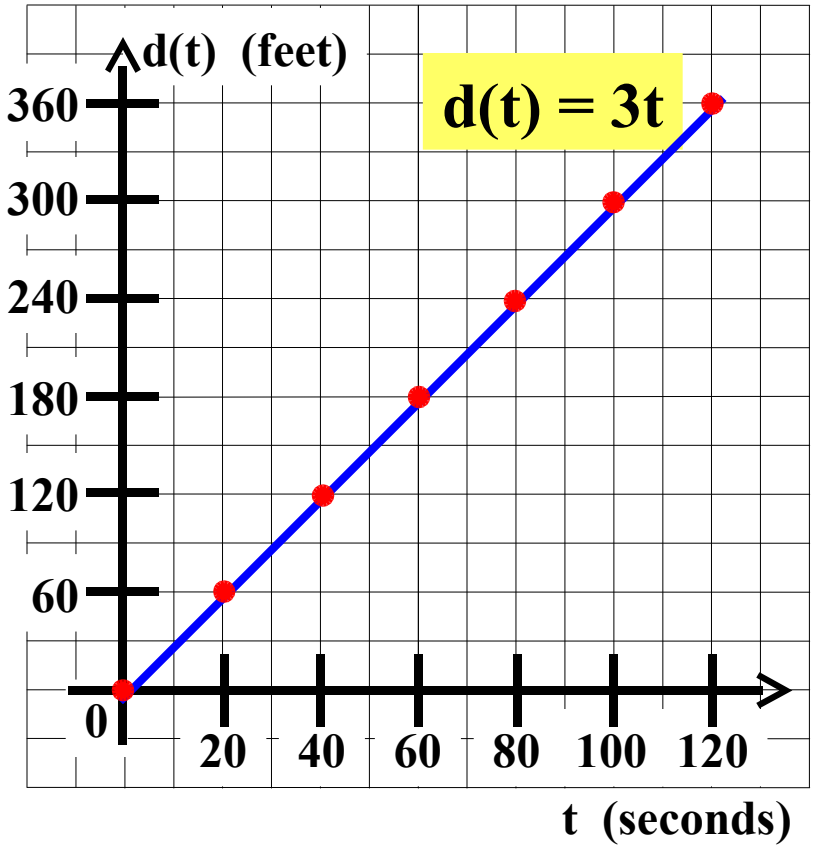
1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

2. Graph function d.



5. What is the range of function d?

[0 , 360

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

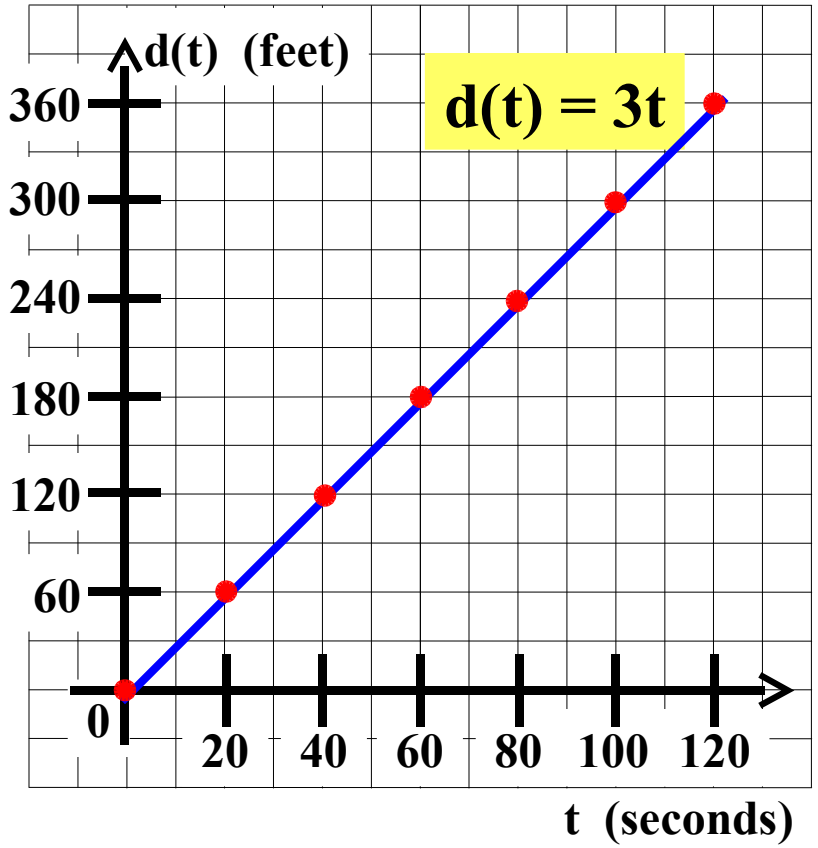
1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

2. Graph function d.



5. What is the range of function d?

[0 , 360]

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

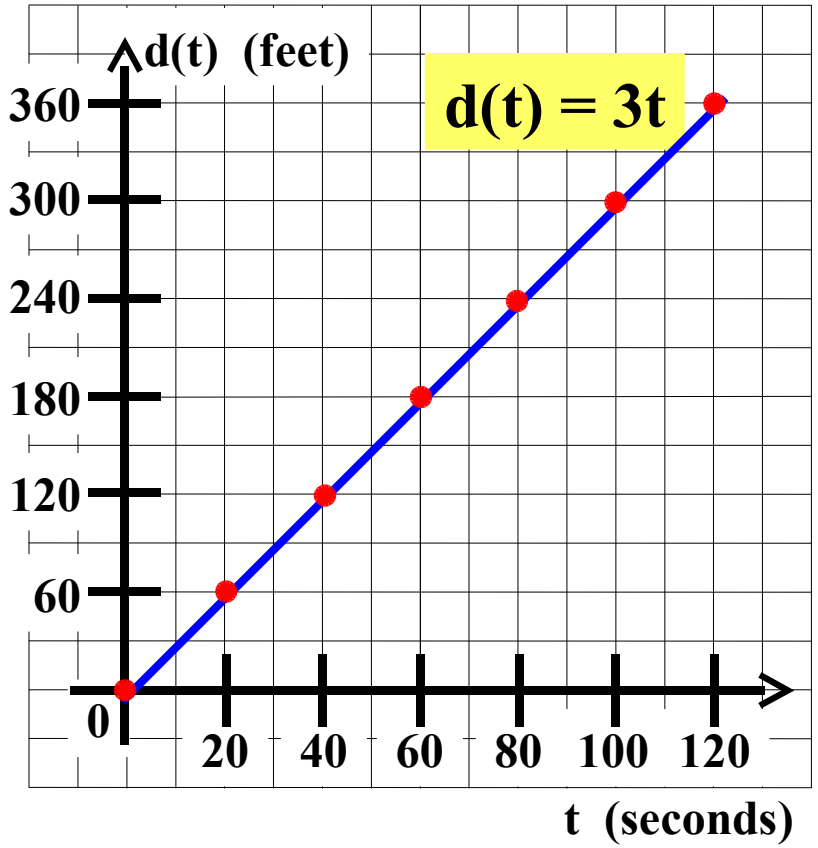
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



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[0 , 360]

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

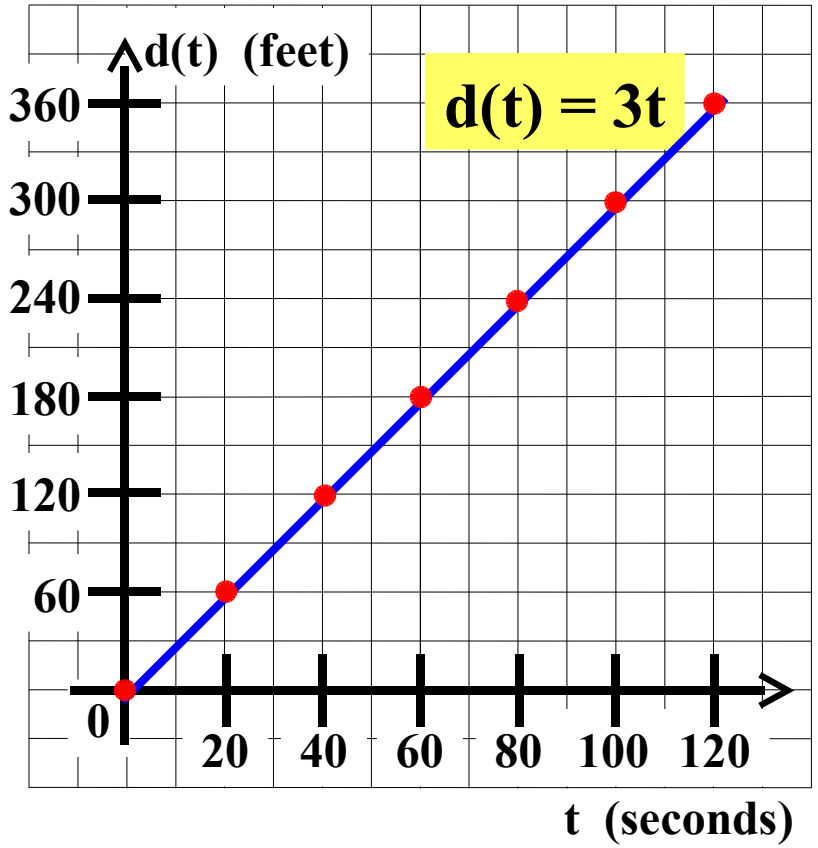
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



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0	0
20	60
40	120
60	180
80	240
100	300
120	360

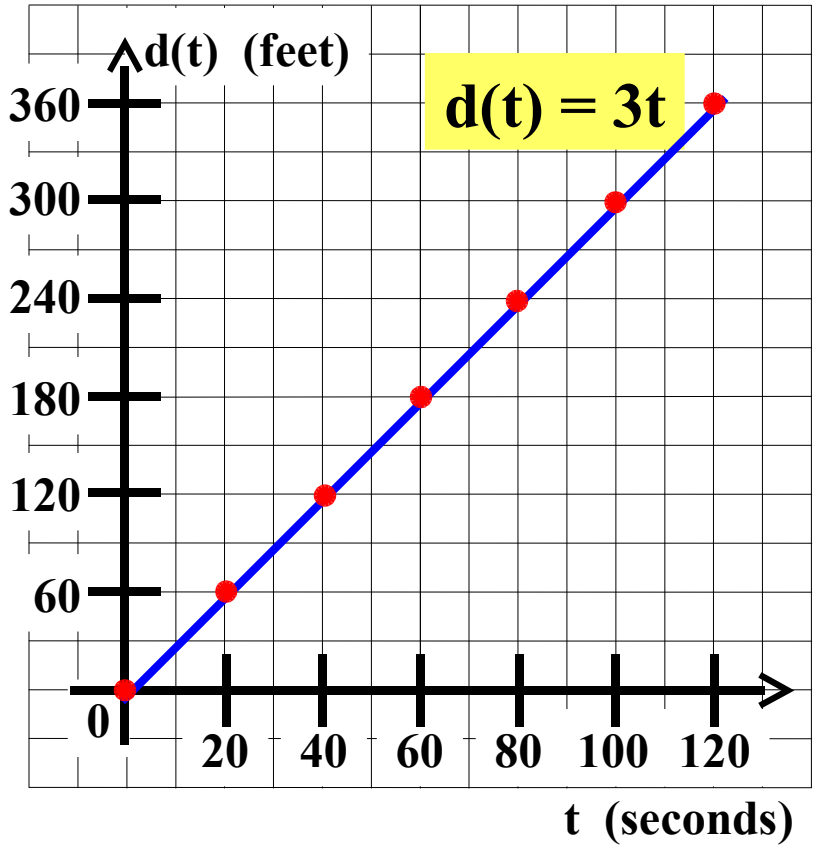
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



6. Evaluate d(60). What does d(60) represent in terms of the problem?

Algebra II Class Worksheet #3 Unit 3

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1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

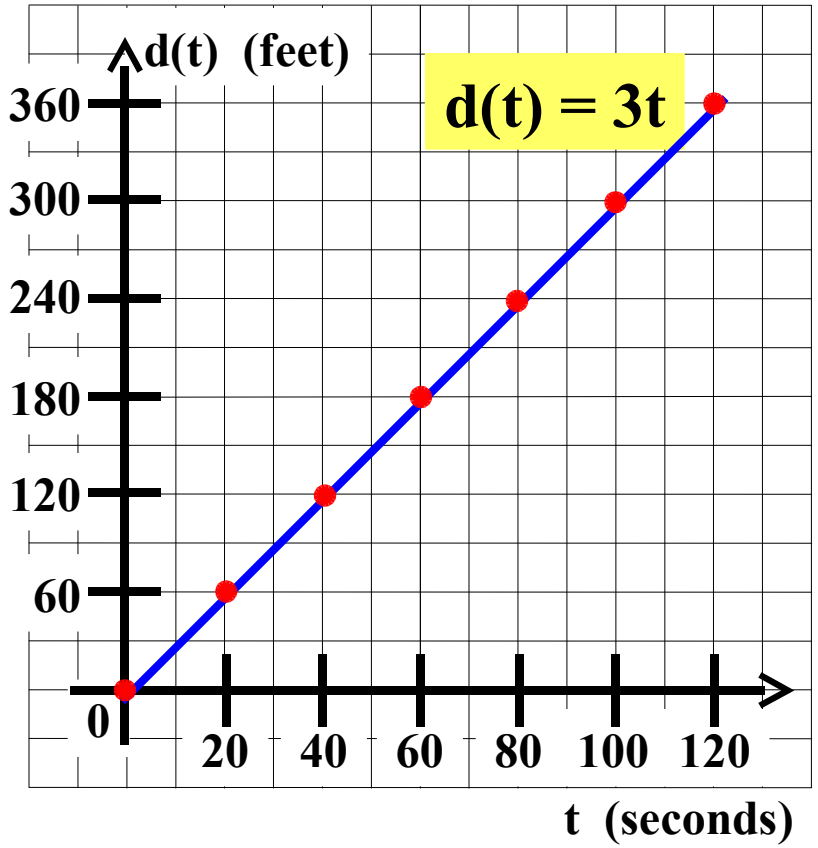
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



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1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

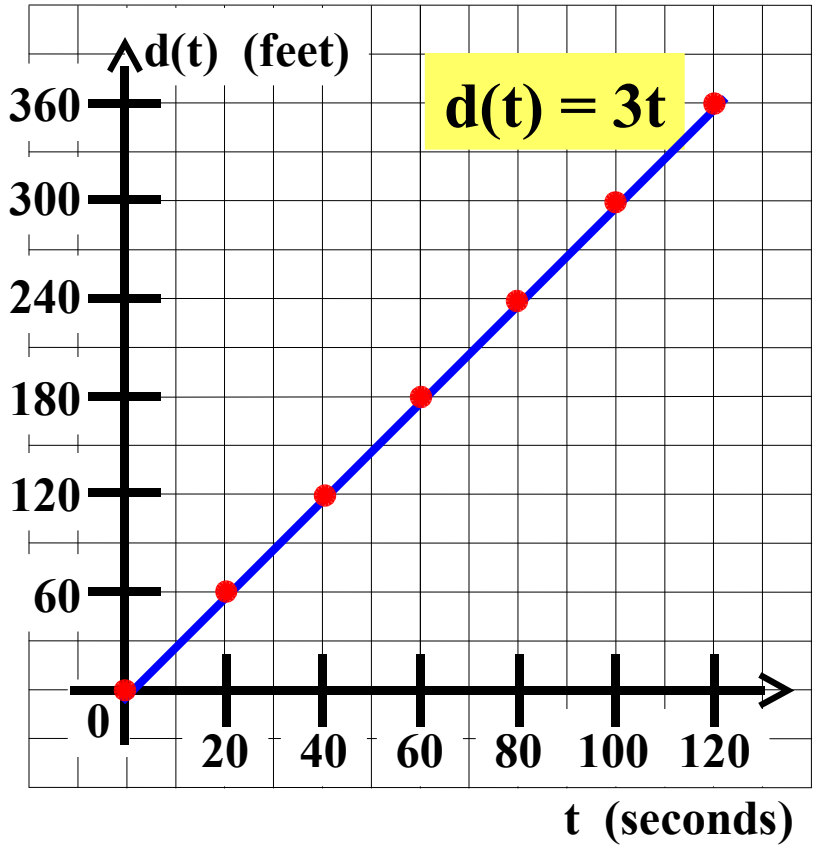
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



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d(60) =

Algebra II Class Worksheet #3 Unit 3

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1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
→ 60	180
80	240
100	300
120	360

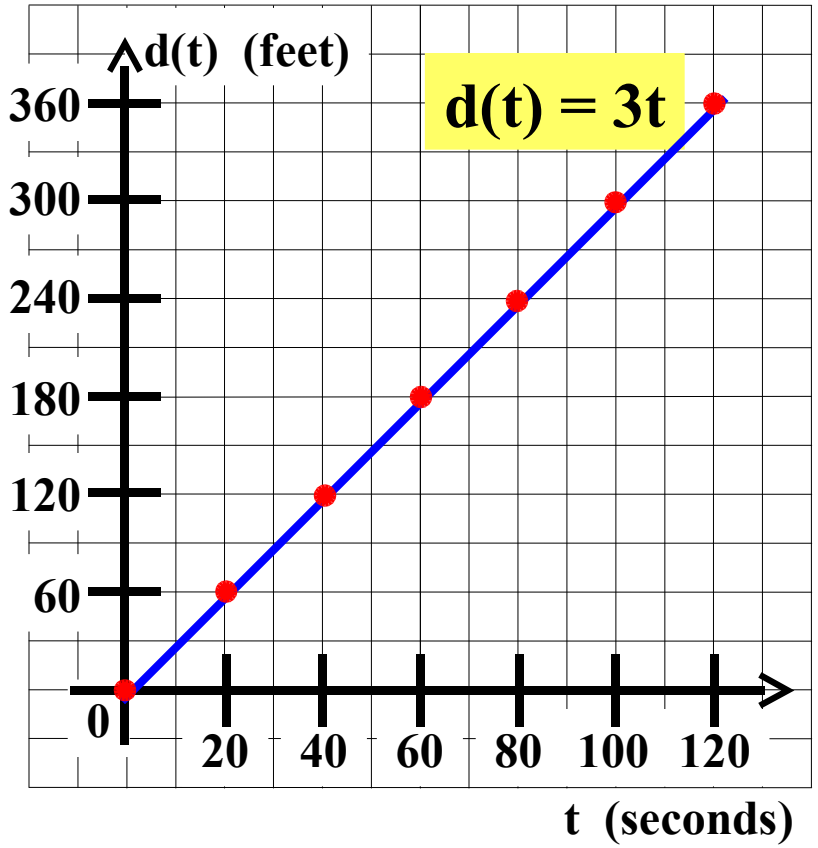
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



6. Evaluate d(60). What does d(60) represent in terms of the problem?

d(60) =

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

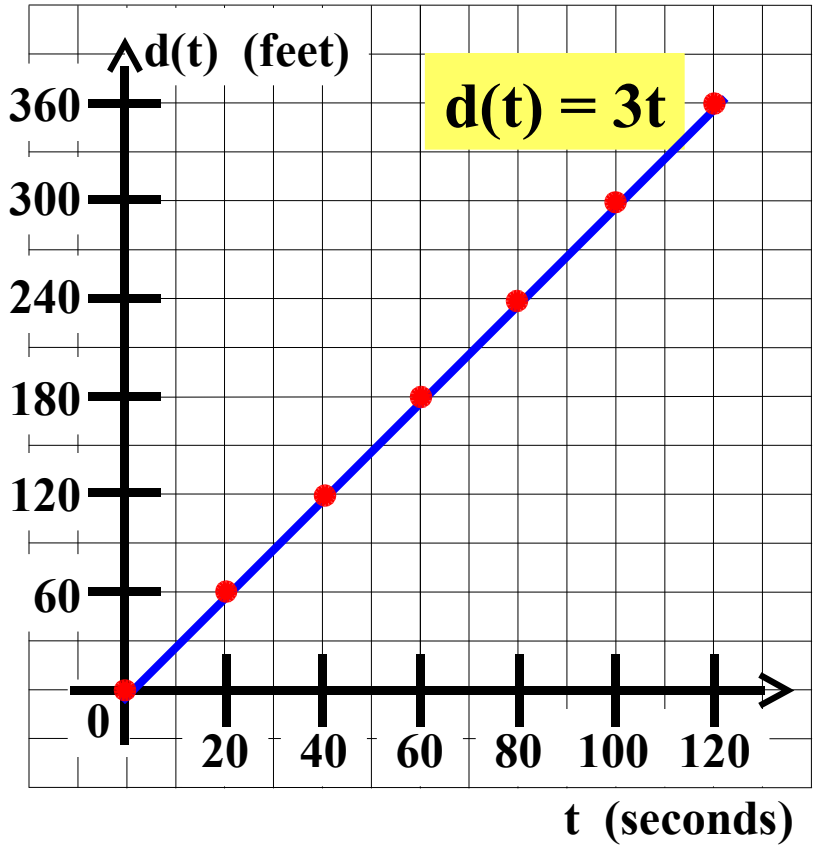
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



6. Evaluate d(60). What does d(60) represent in terms of the problem?

d(60) = 180

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

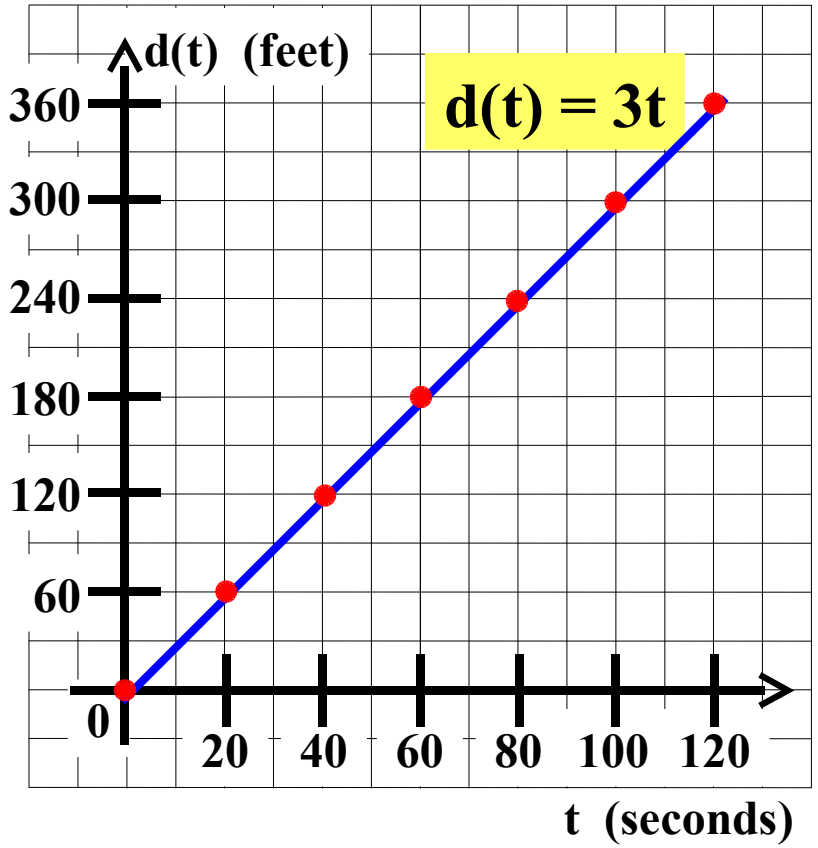
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



6. Evaluate d(60). What does d(60) represent in terms of the problem?

d(60) = 180

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

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0	0
20	60
40	120
60	180
80	240
100	300
120	360

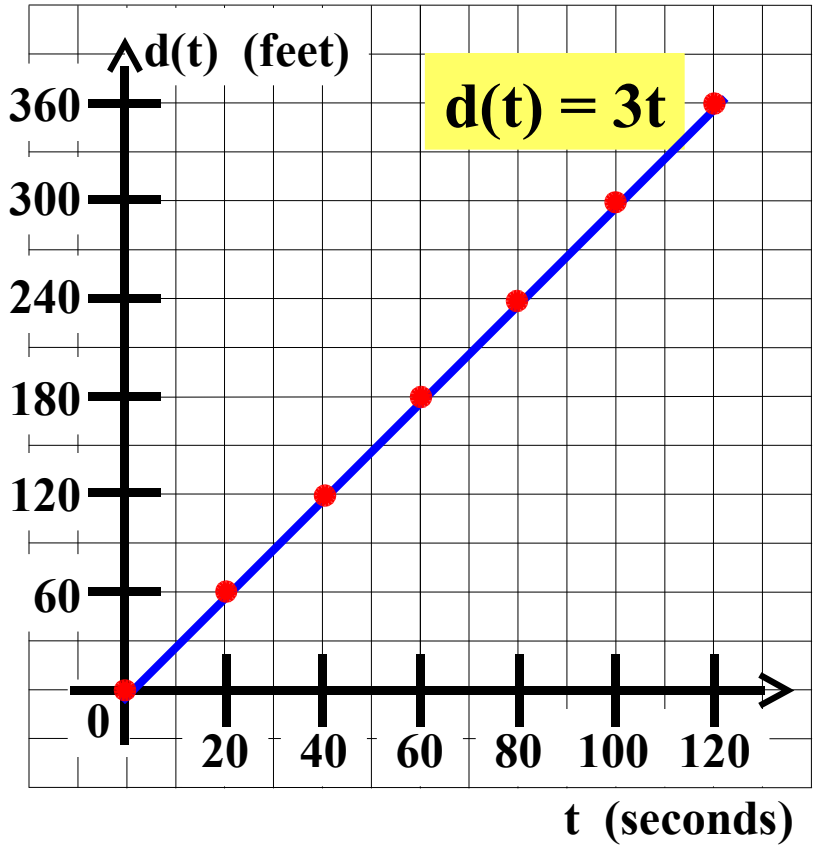
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



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d(60) = 180

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

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20	60
40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

range

[0 , 360]

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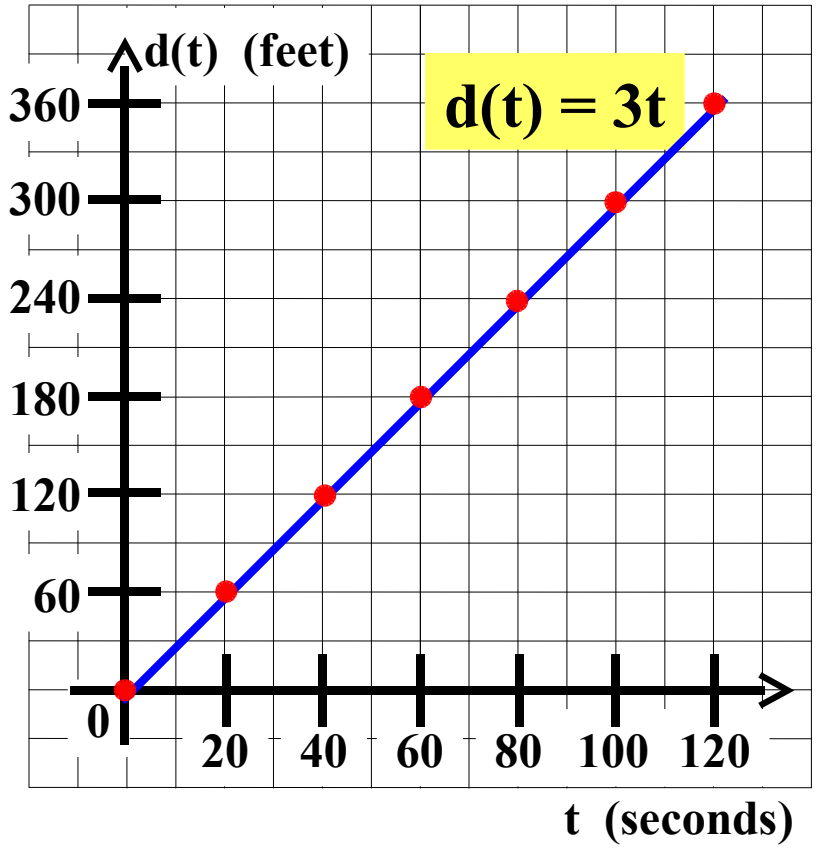

6. Evaluate d(60). What does d(60) represent in terms of the problem?

d(60) = 180

d(60) represents the distance John walked in 60 seconds.

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

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20	60
40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

range

[0 , 360]

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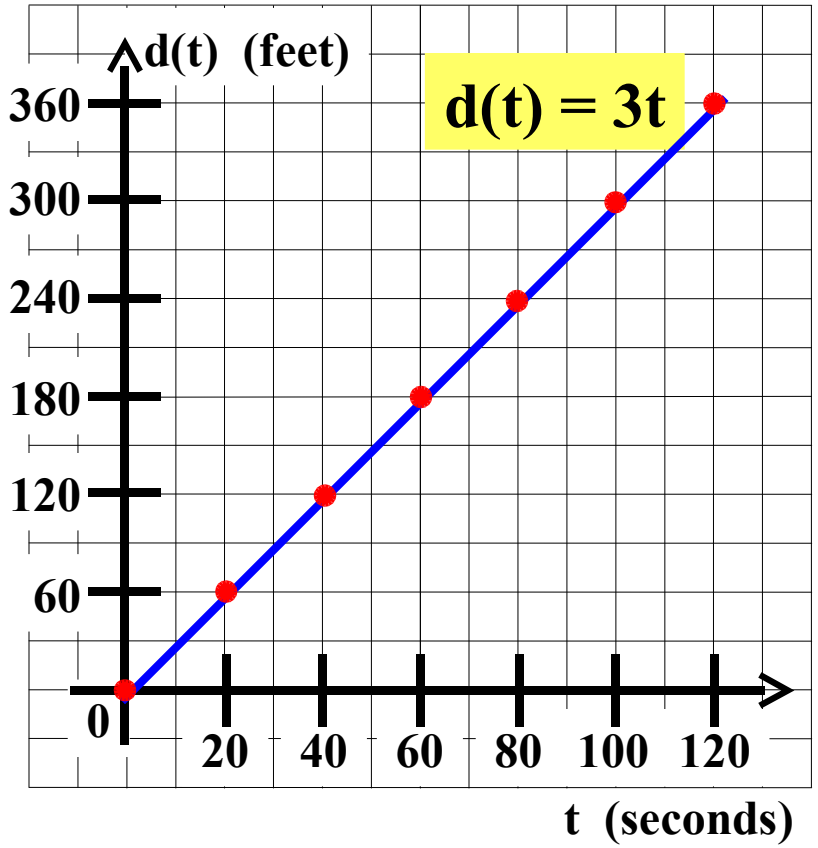

6. Evaluate d(60). What does d(60) represent in terms of the problem?

d(60) = 180 feet

d(60) represents the distance John walked in 60 seconds.

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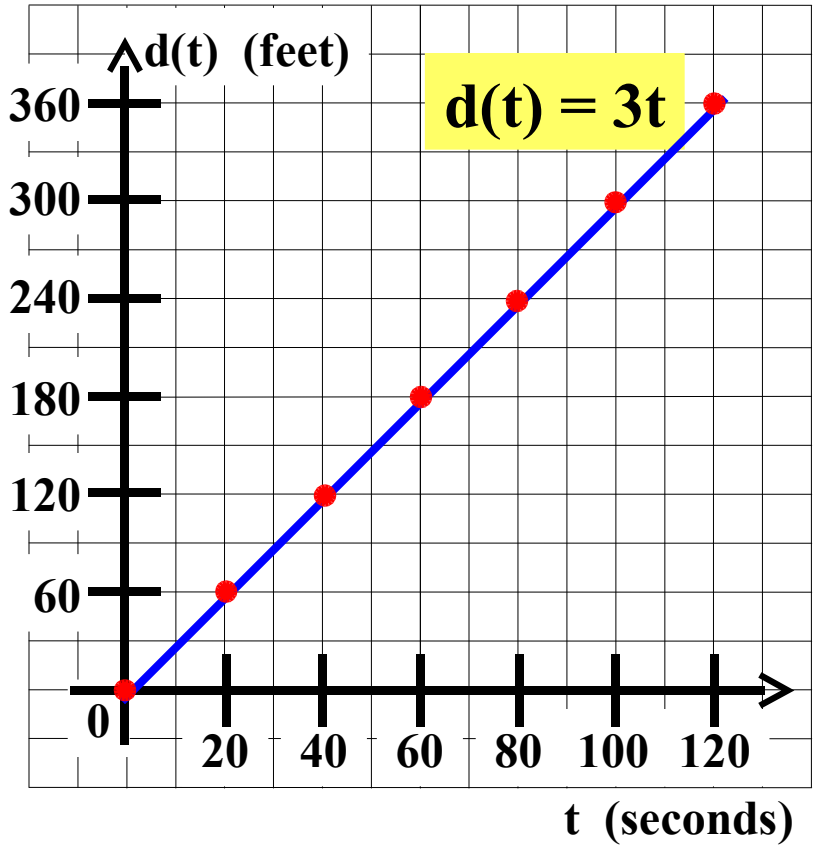

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d(60) = 180 feet

d(60) represents the distance John walked in 60 seconds.

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40	120
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80	240
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domain

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range

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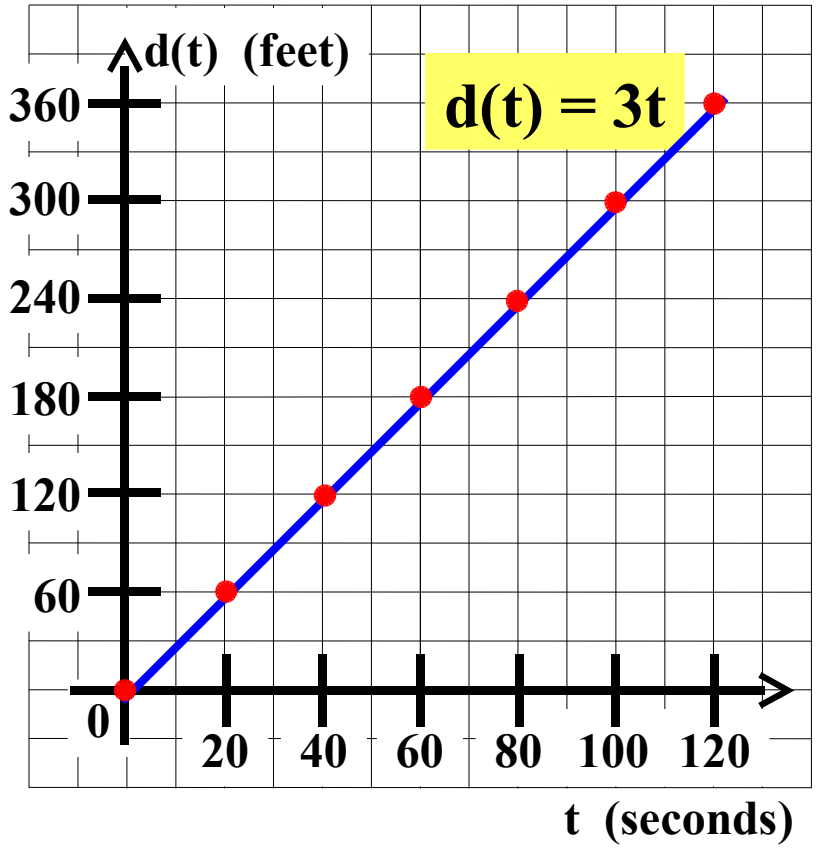

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40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

range

[0 , 360]

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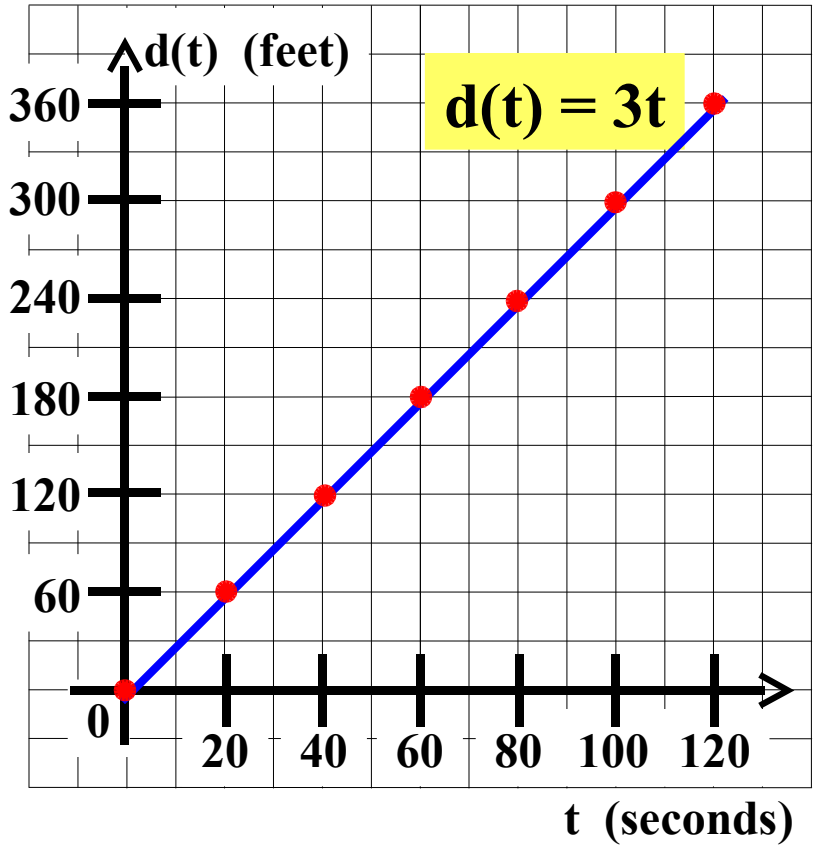

7. If d(t) = 60, then find the value of t.

Algebra II Class Worksheet #3 Unit 3

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t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

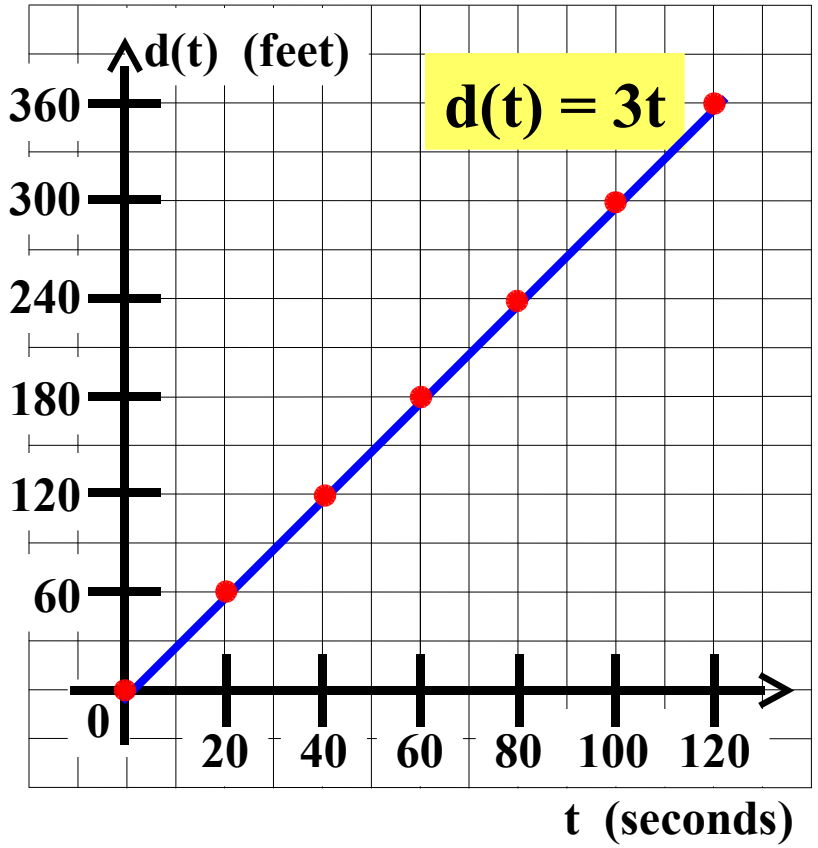
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



7. If d(t) = 60, then find the value of t.

d(t) = 60 ⟶ t =

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

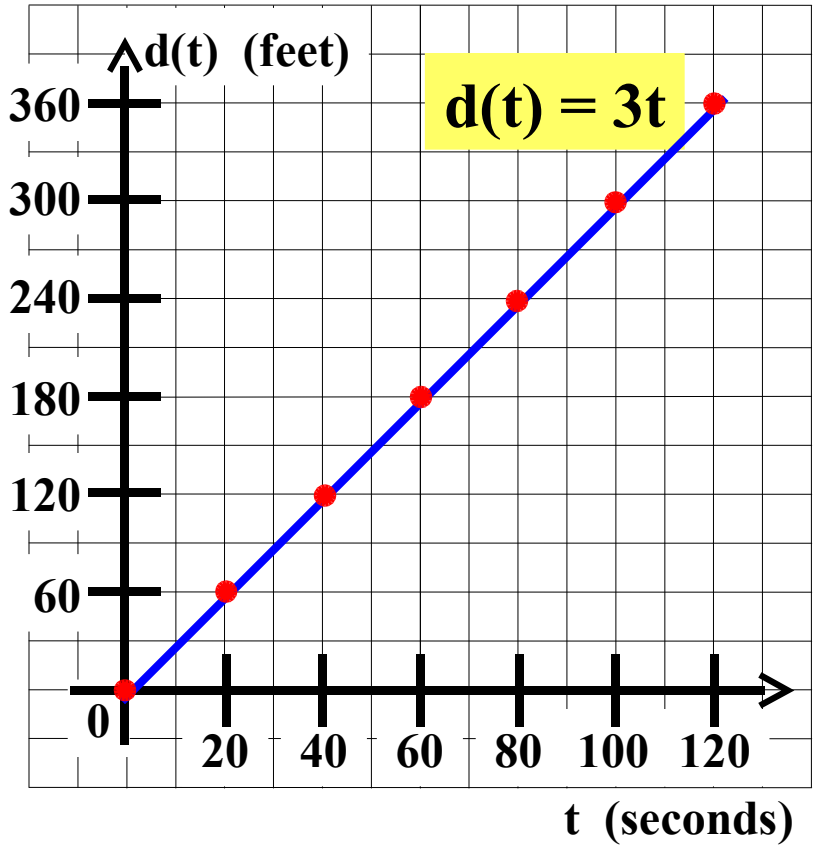
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



7. If d(t) = 60, then find the value of t.

d(t) = 60 → t =

Algebra II Class Worksheet #3 Unit 3

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1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

[0 , 120]

range

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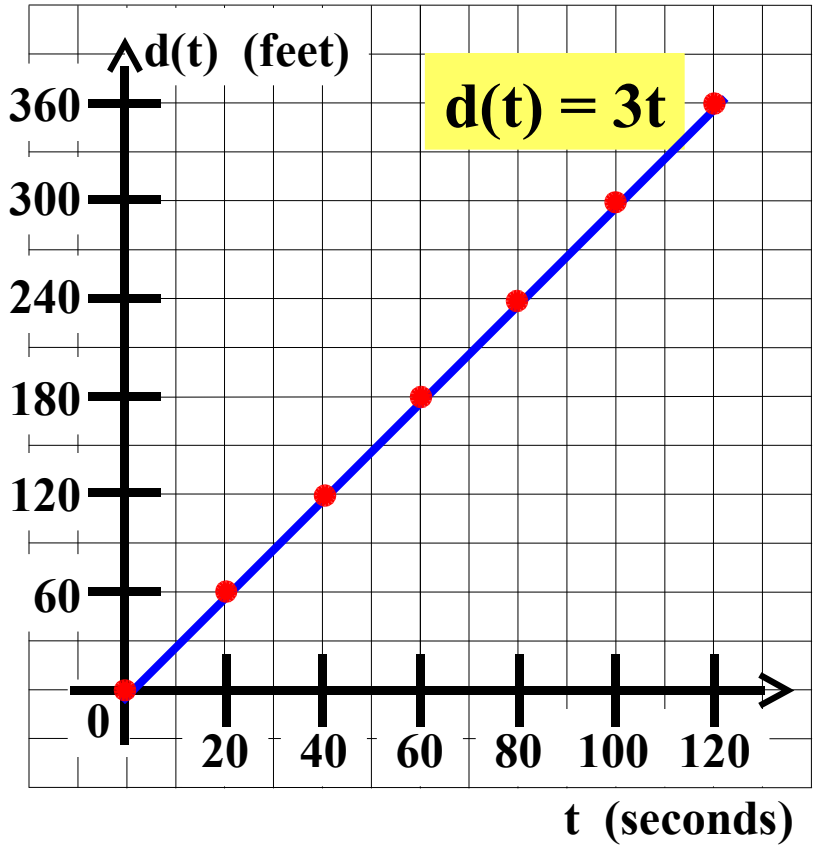
2. Graph function d.



7. If d(t) = 60, then find the value of t.

$$d(t) = 60 \rightarrow t = 20$$

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

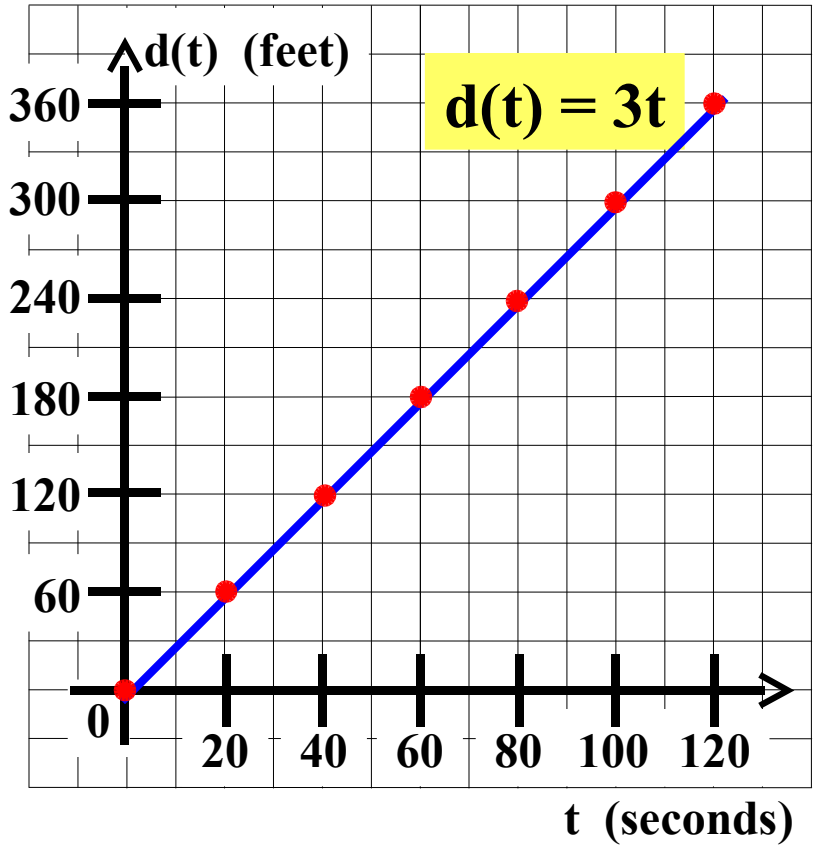
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



7. If d(t) = 60, then find the value of t. What does this value of t represent in terms of the problem?

$$d(t) = 60 \Rightarrow t = 20$$

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

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0	0
20	60
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domain

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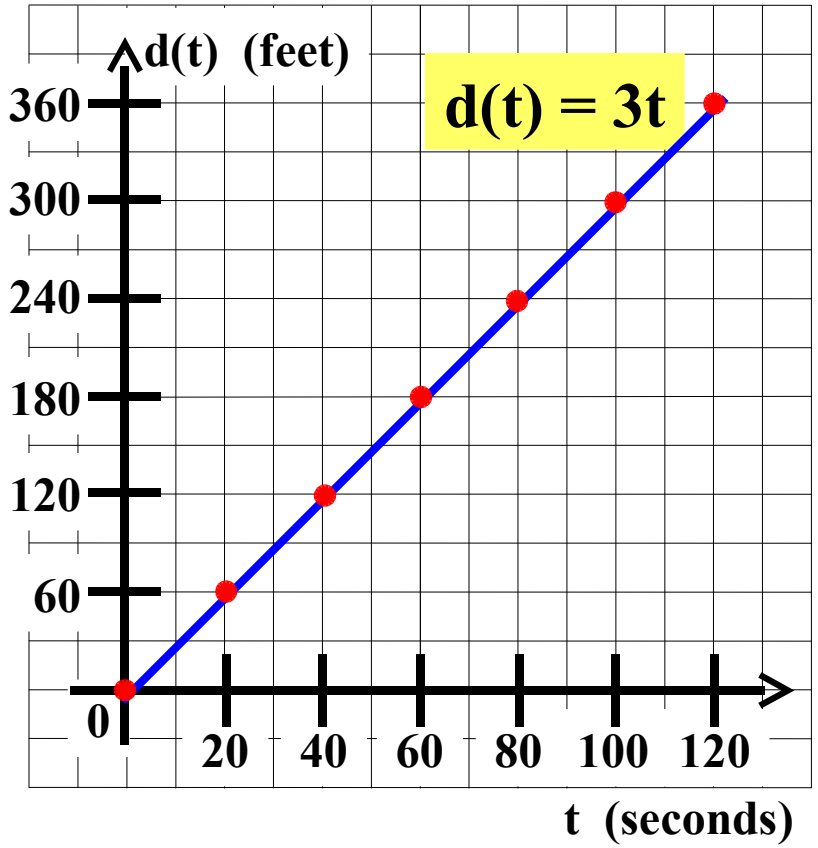


7. If d(t) = 60, then find the value of t. What does this value of t represent in terms of the problem?

d(t) = 60 ⟹ t = 20

This represents the time it took John to walk 60 feet.

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

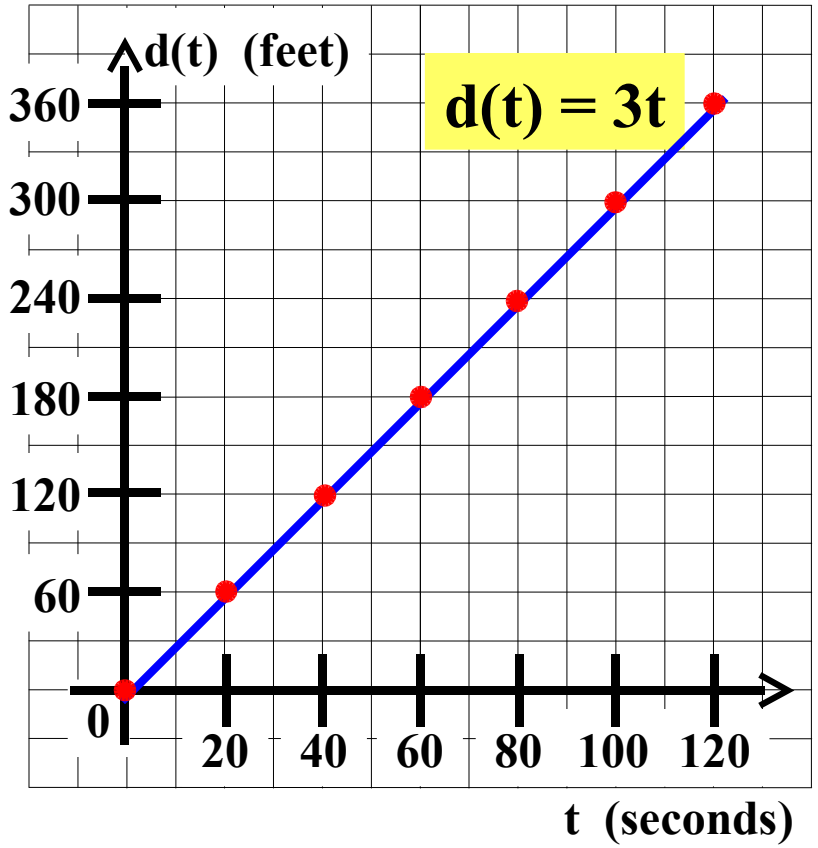
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



7. If d(t) = 60, then find the value of t. What does this value of t represent in terms of the problem?

d(t) = 60 ⟹ t = 20 seconds

This represents the time it took John to walk 60 feet.

Algebra II Class Worksheet #3 Unit 3

John walks for 2 minutes at a constant speed of 3 feet per second. Let t represent his walking time (in seconds) and d(t) represent the distance he has walked (in feet).

1. Make a table giving t and d(t) every 20 seconds from t = 0 to t = 120.

t	d(t)
0	0
20	60
40	120
60	180
80	240
100	300
120	360

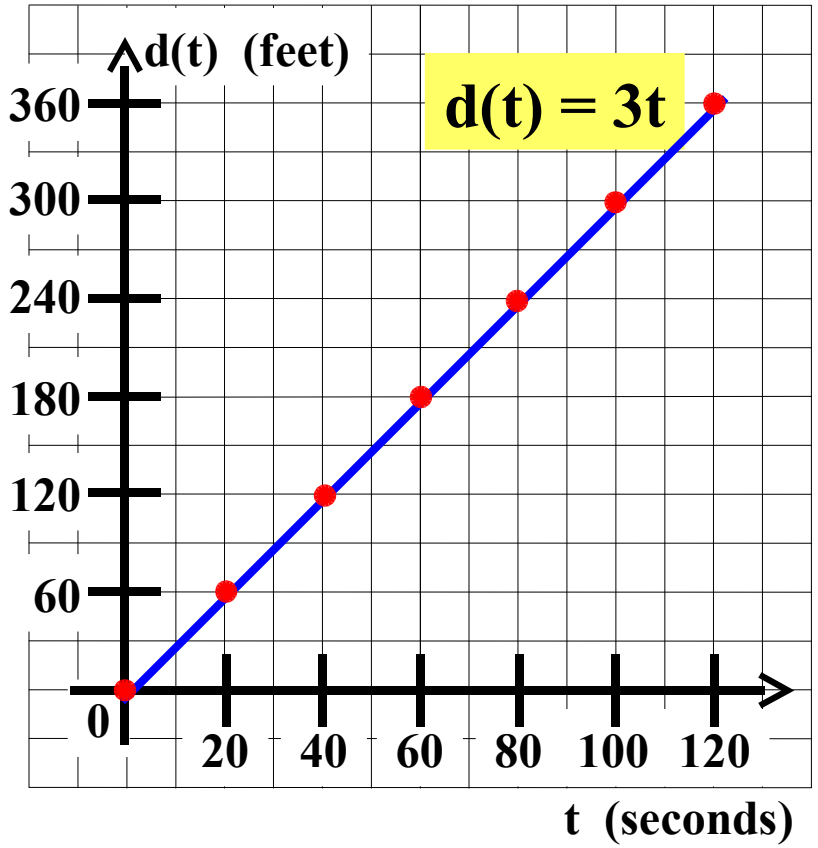
domain

[0 , 120]

range

[0 , 360]

2. Graph function d.



7. If d(t) = 60, then find the value of t. What does this value of t represent in terms of the problem?

d(t) = 60 ⟹ t = 20 seconds

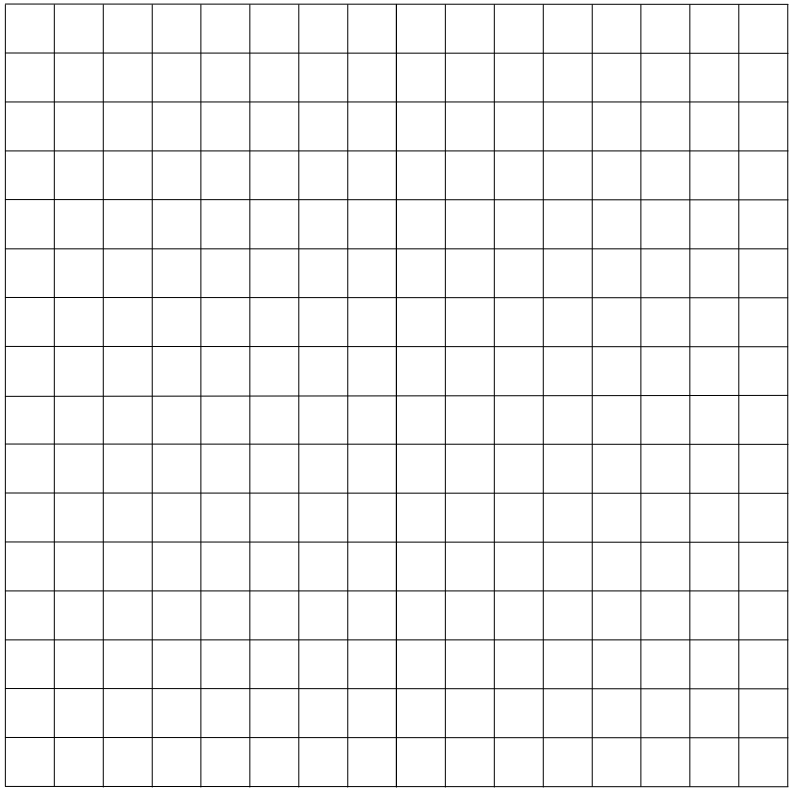
This represents the time it took John to walk 60 feet.

Algebra II Class Worksheet #3 Unit 3

Mary bikes for 3 hours at a constant speed of 10 miles per hour. Let t represent her biking time (in hours) and D(t) represent the distance she has gone (in miles).

8. Make a table giving t and D(t) every half hour from t = 0 to t = 3.

9. Graph function D.



Algebra II Class Worksheet #3 Unit 3

Mary bikes for 3 hours at a constant speed of 10 miles per hour. Let t represent her biking time (in hours) and D(t) represent the distance she has gone (in miles).

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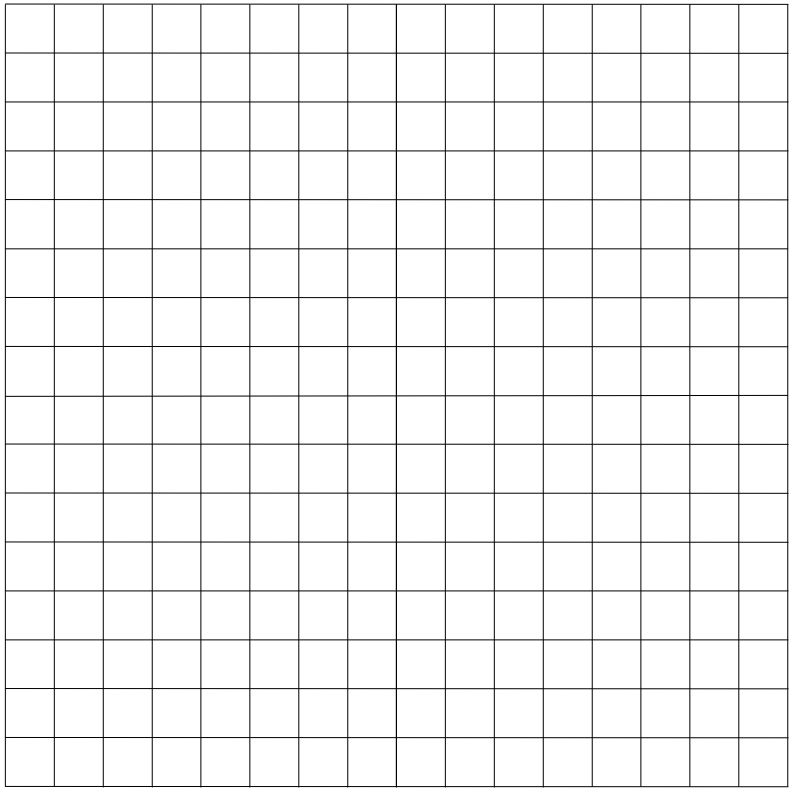

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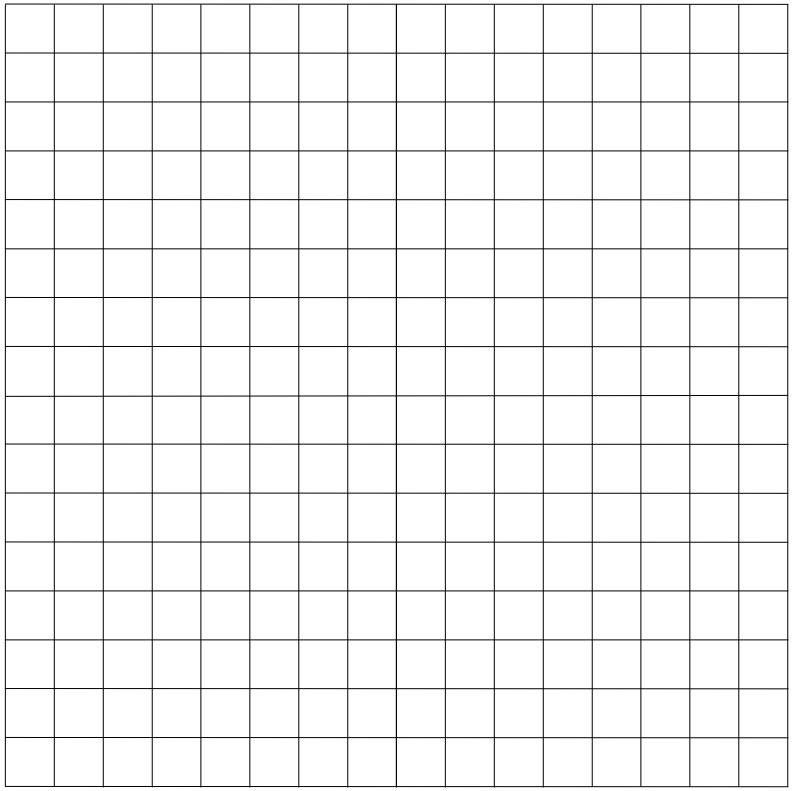

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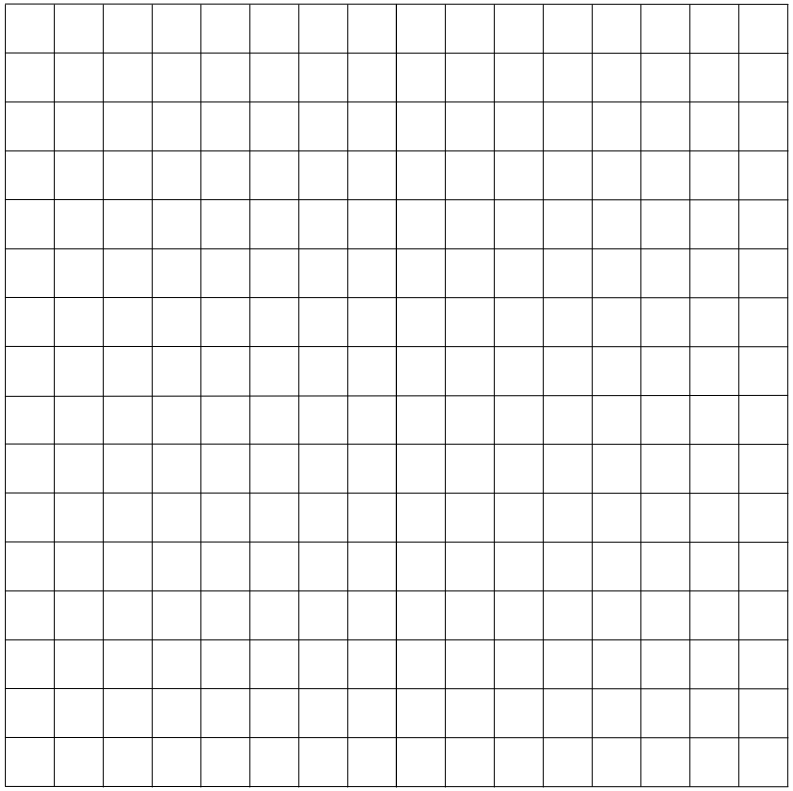

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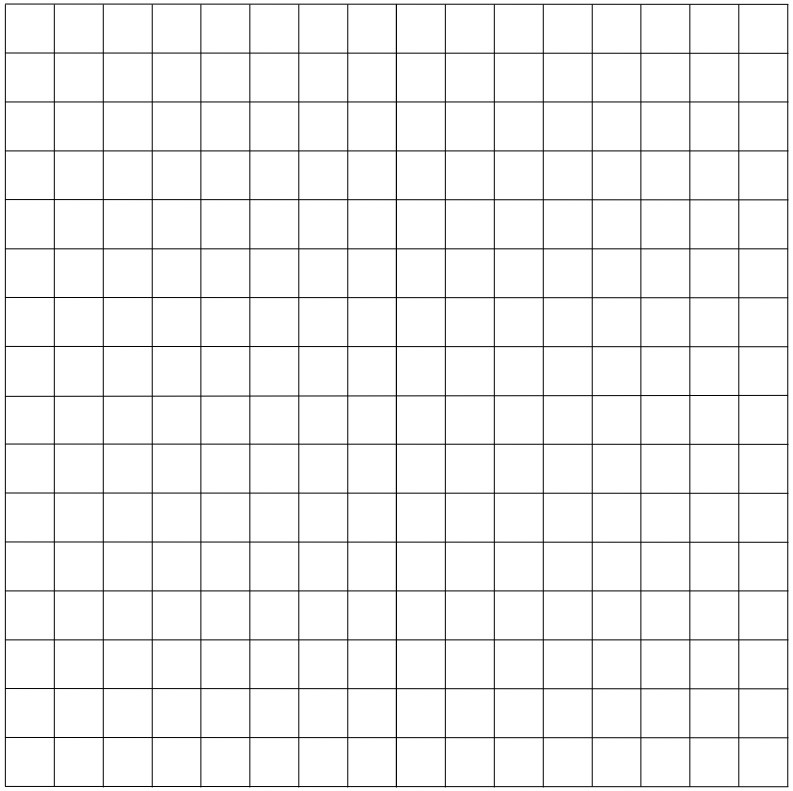

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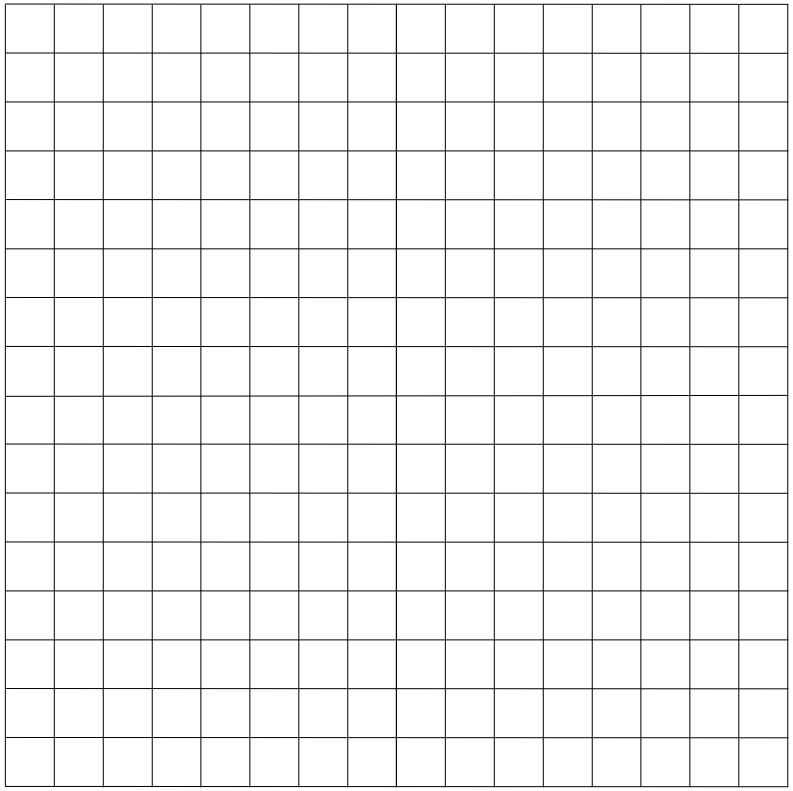

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1.5	
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2.5	
3	

10 mph for ½ hour

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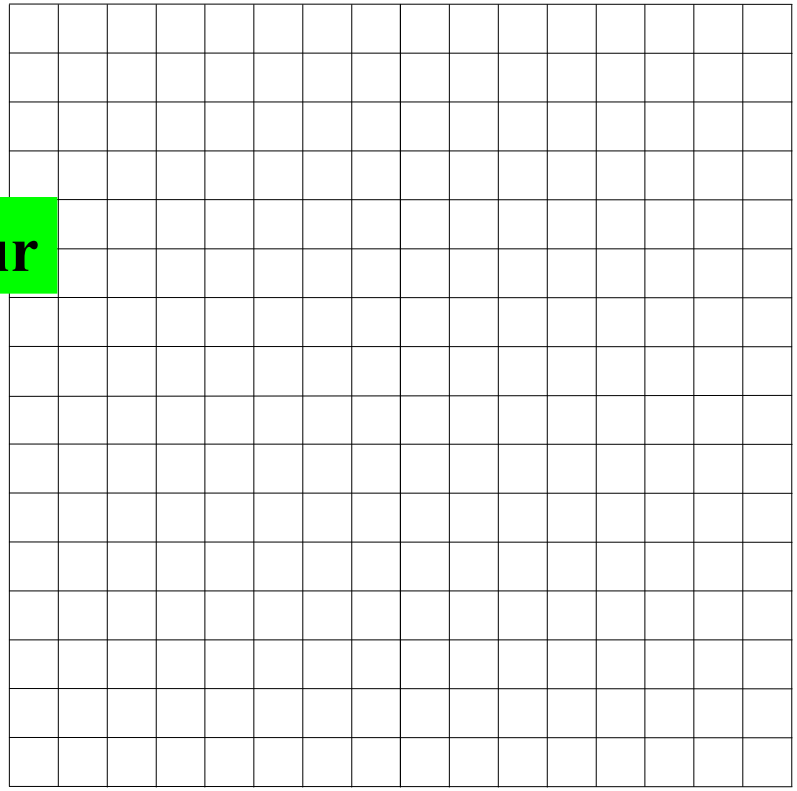

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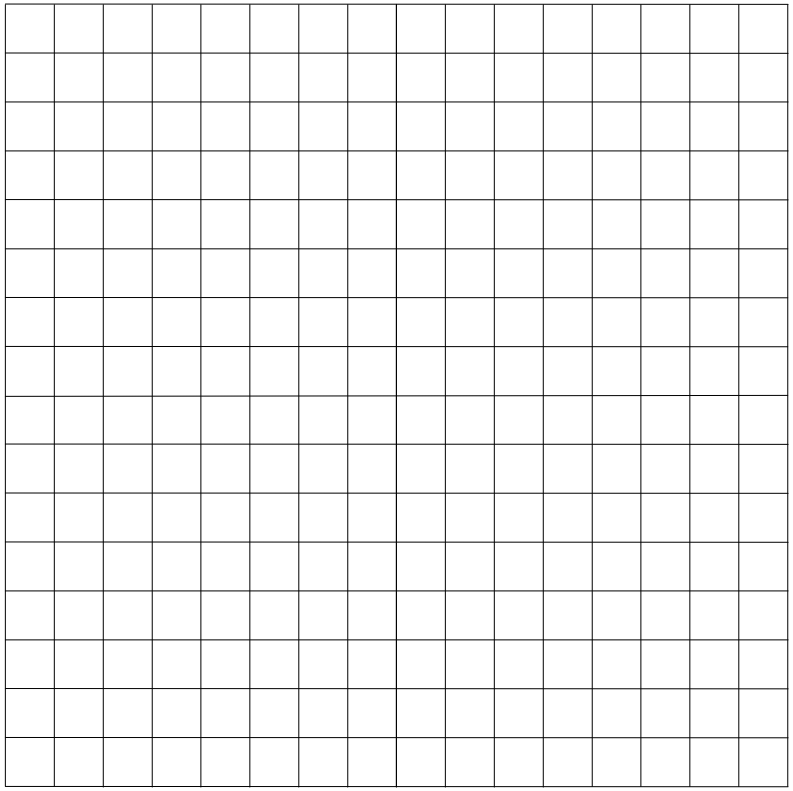

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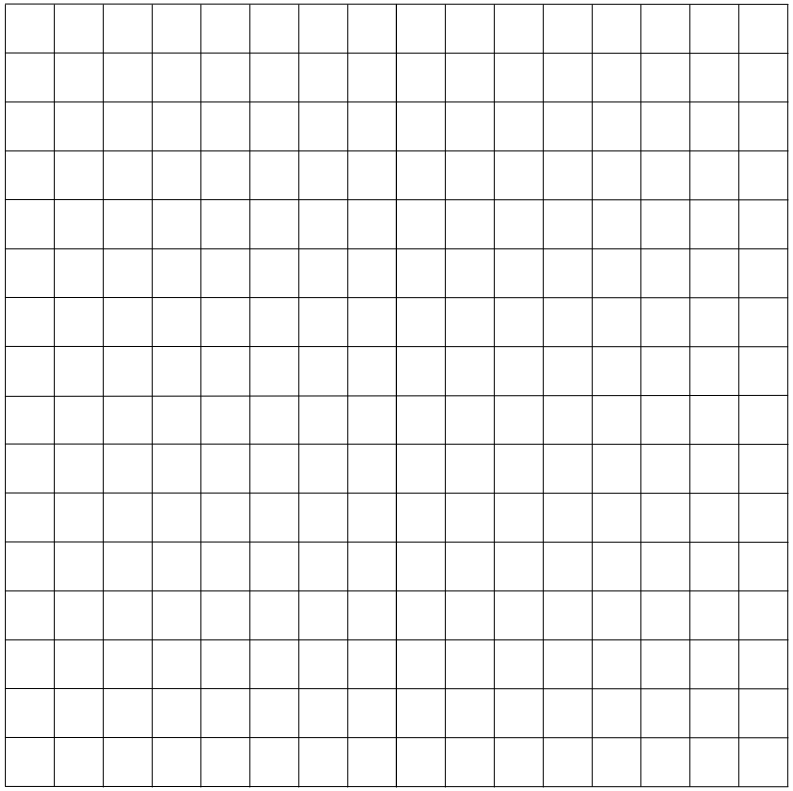

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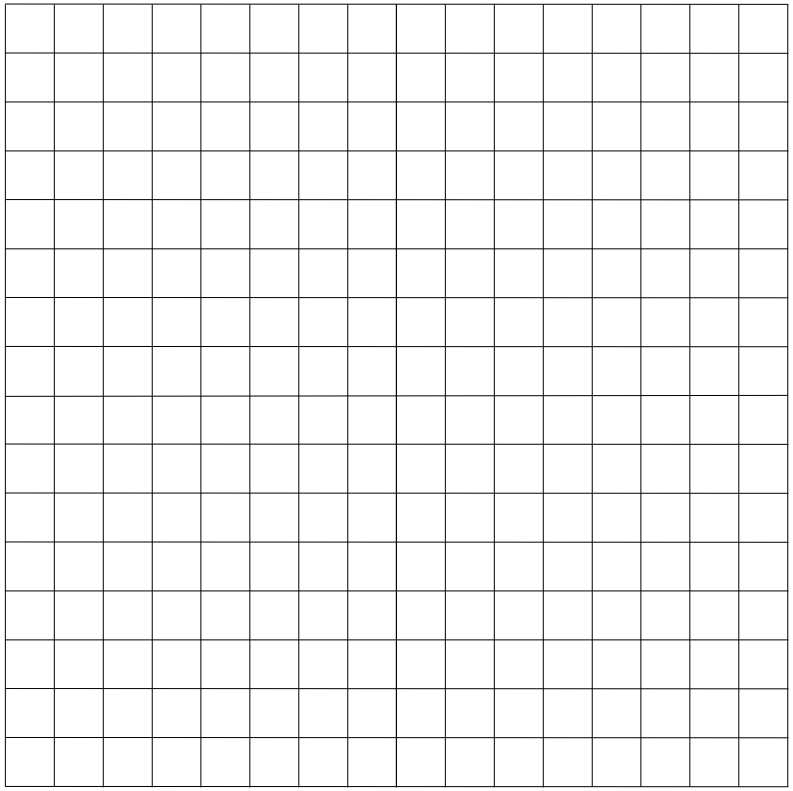

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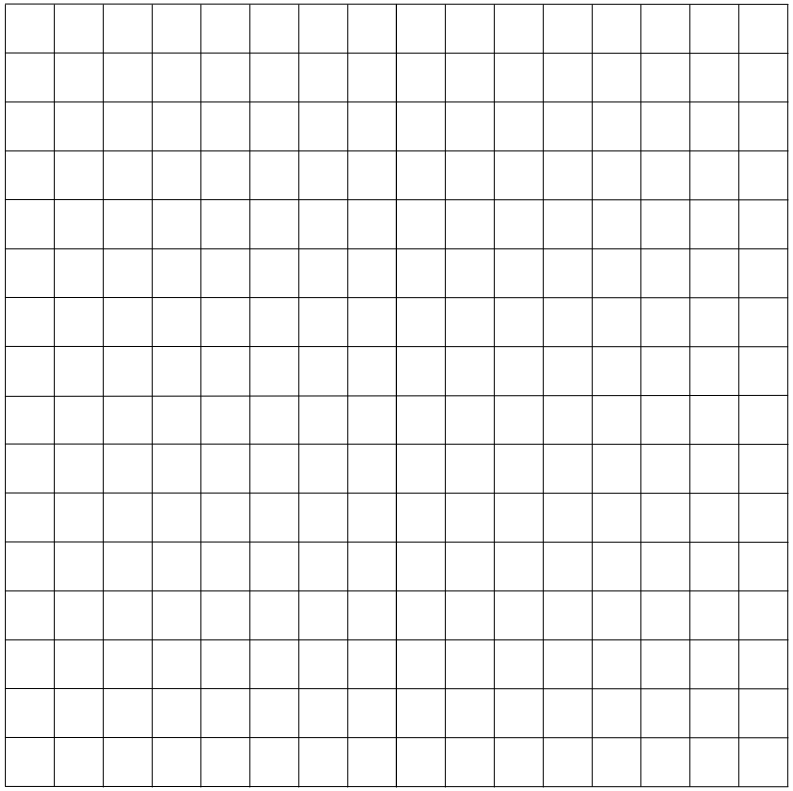

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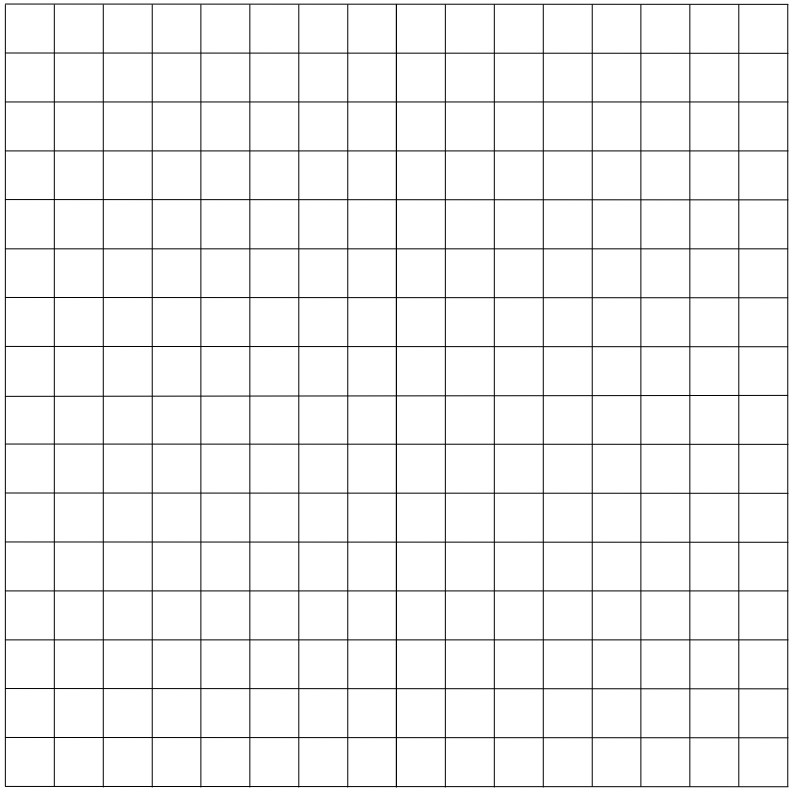

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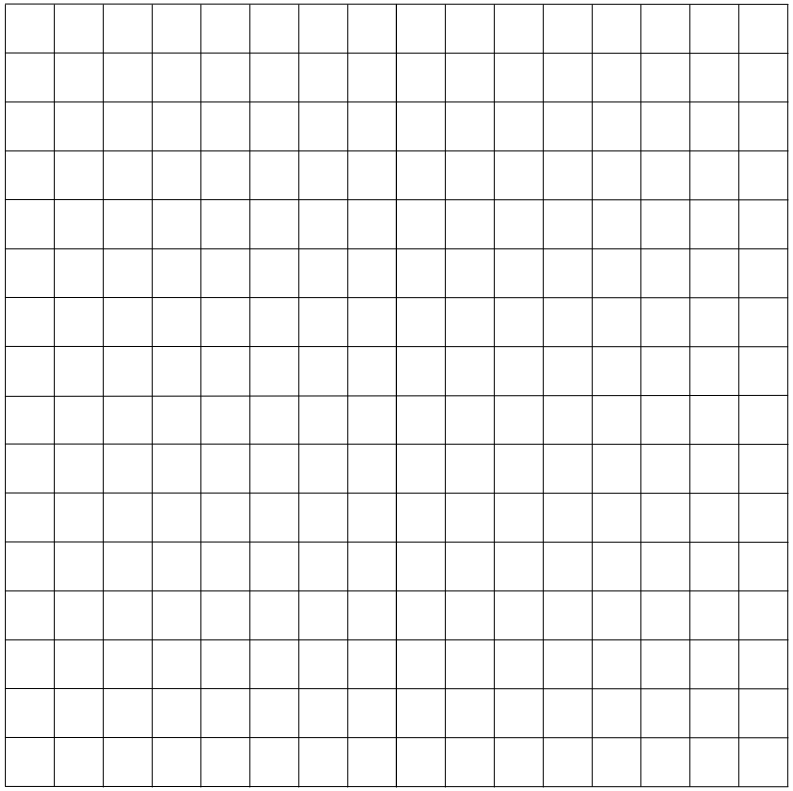

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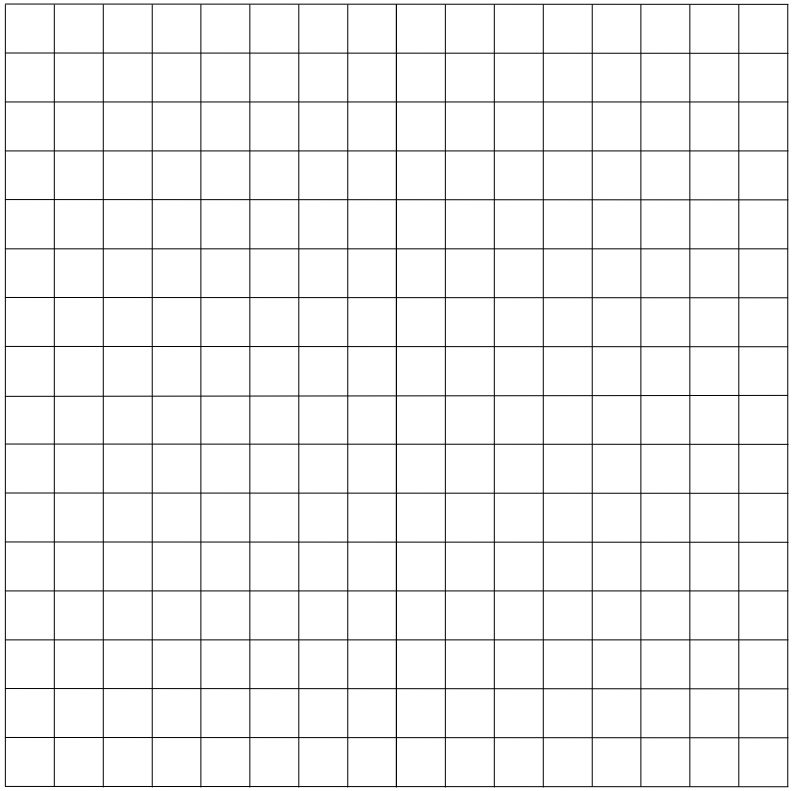

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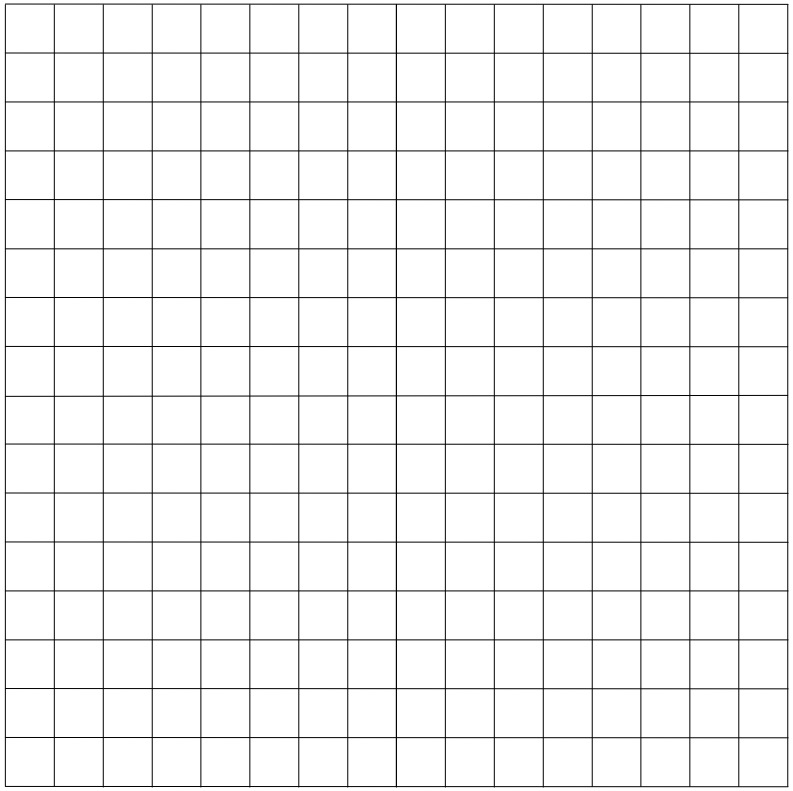

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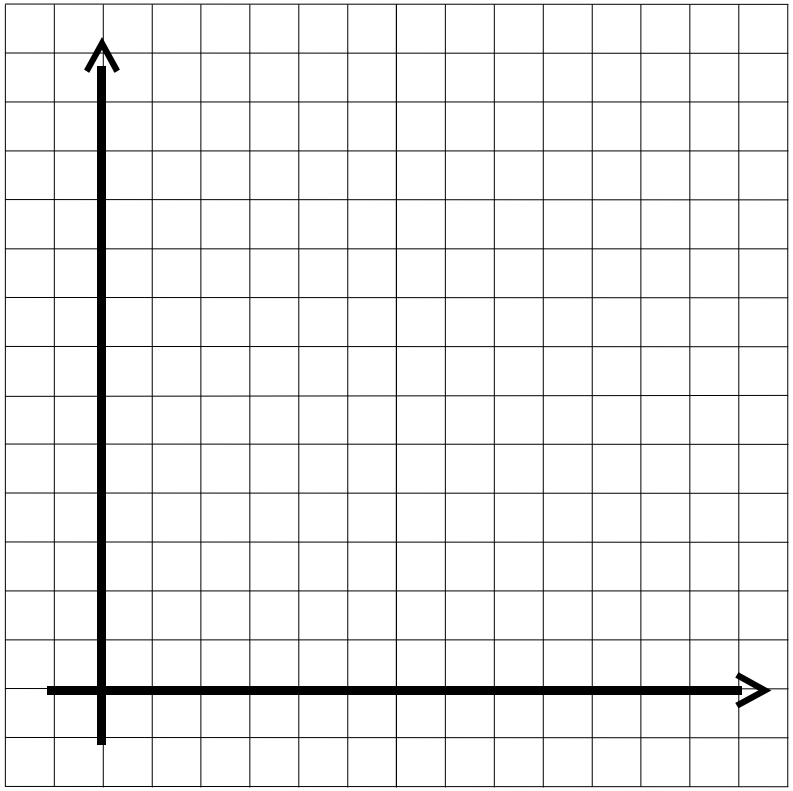

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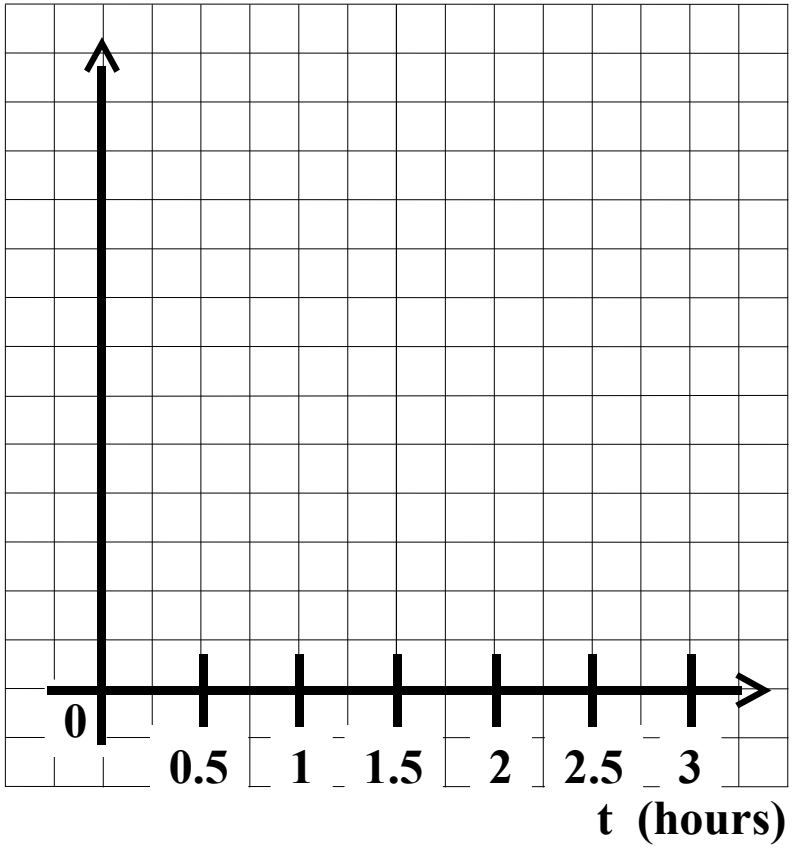

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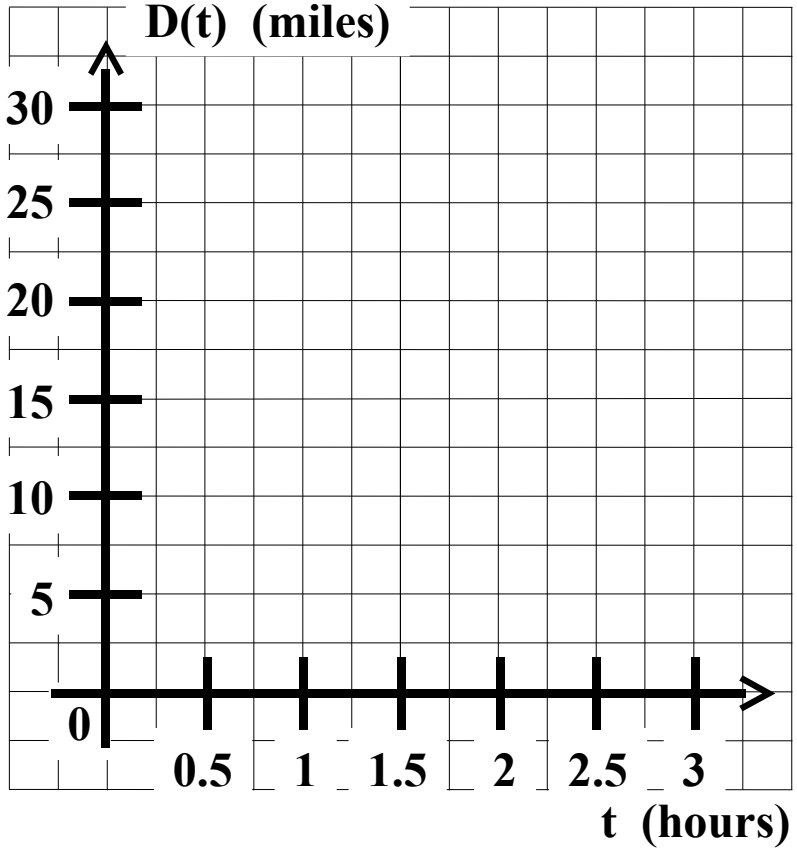

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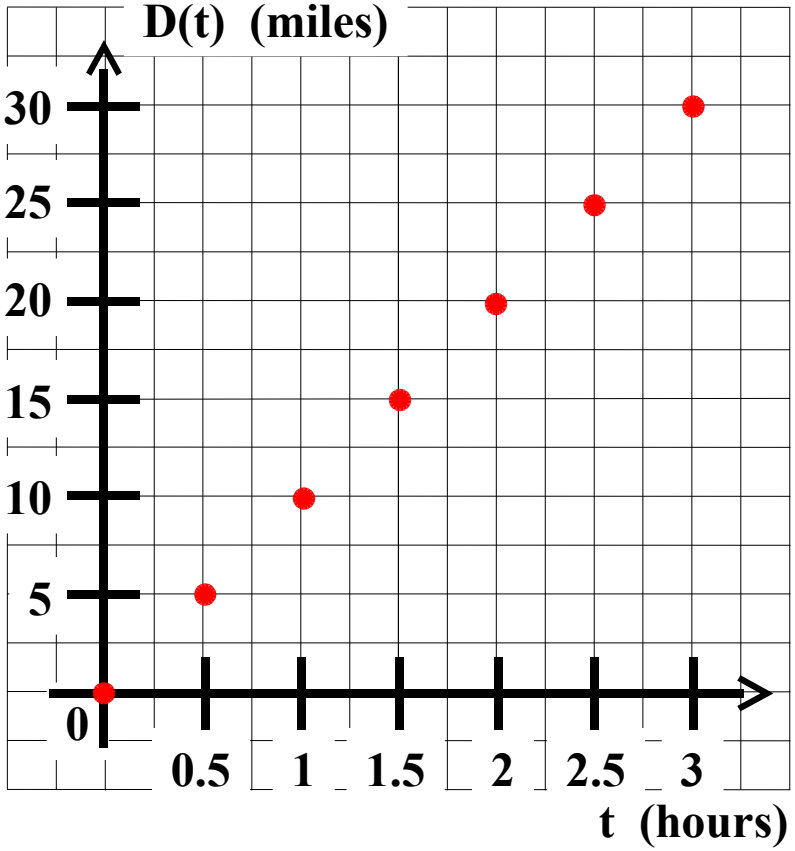

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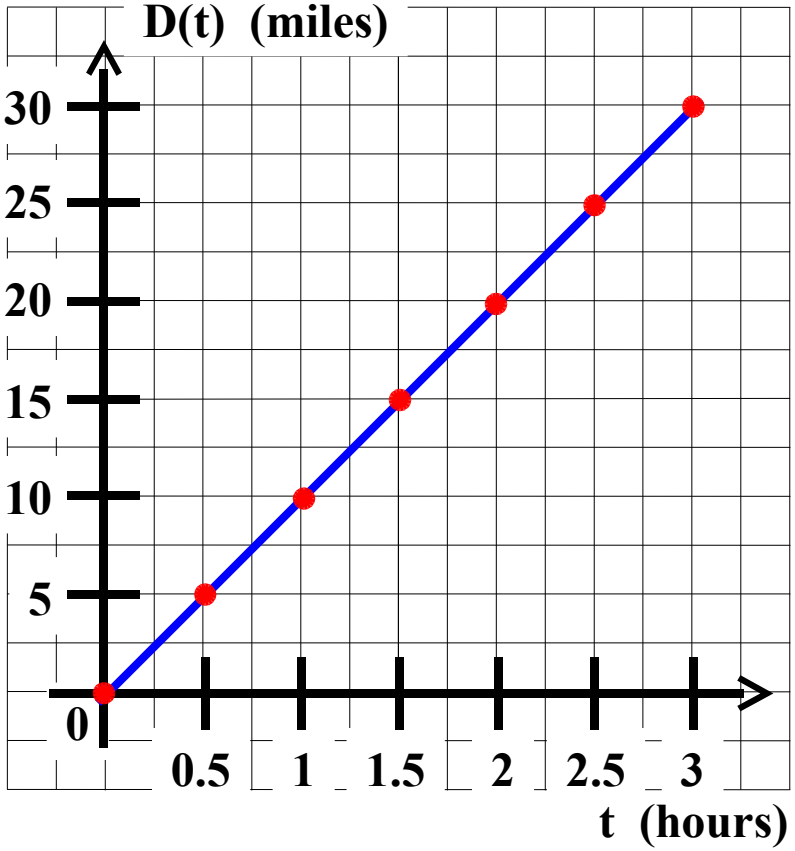

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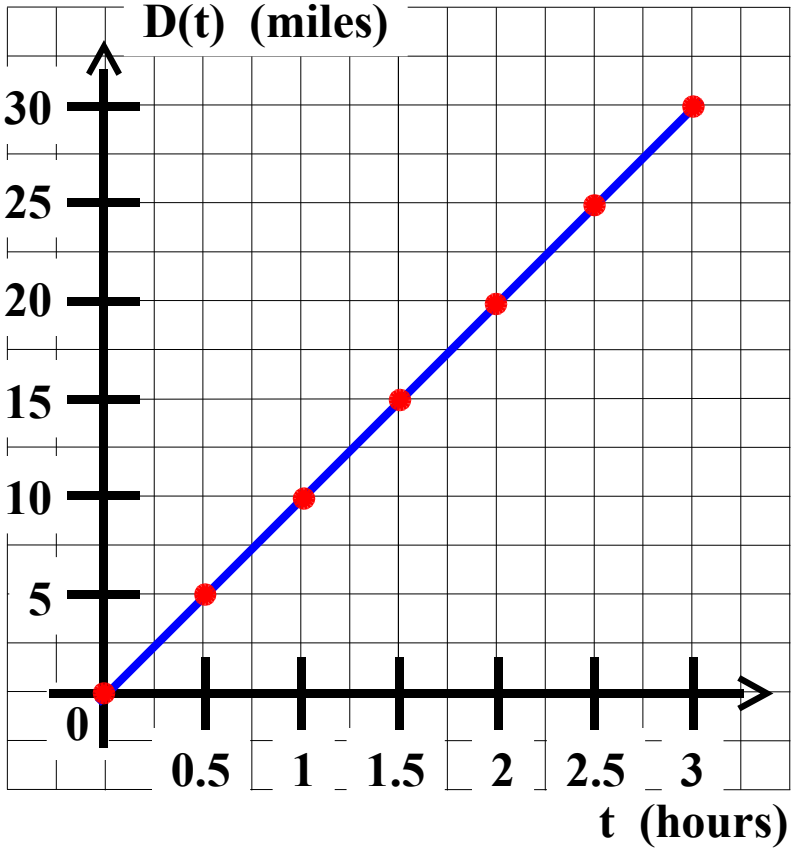

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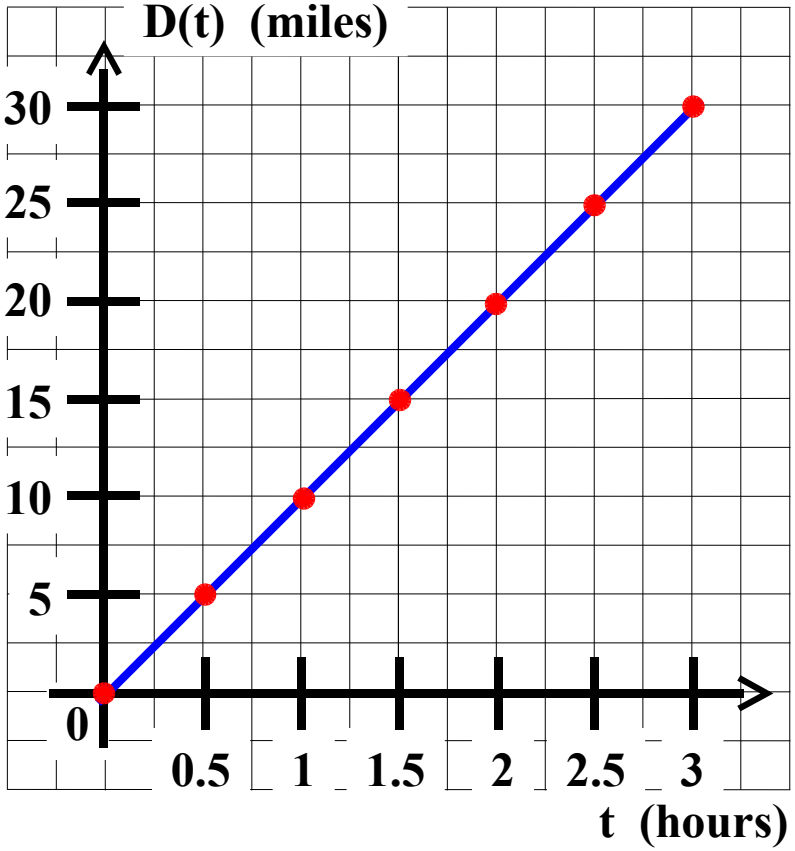

10. Write an equation giving D(t) in terms of t.

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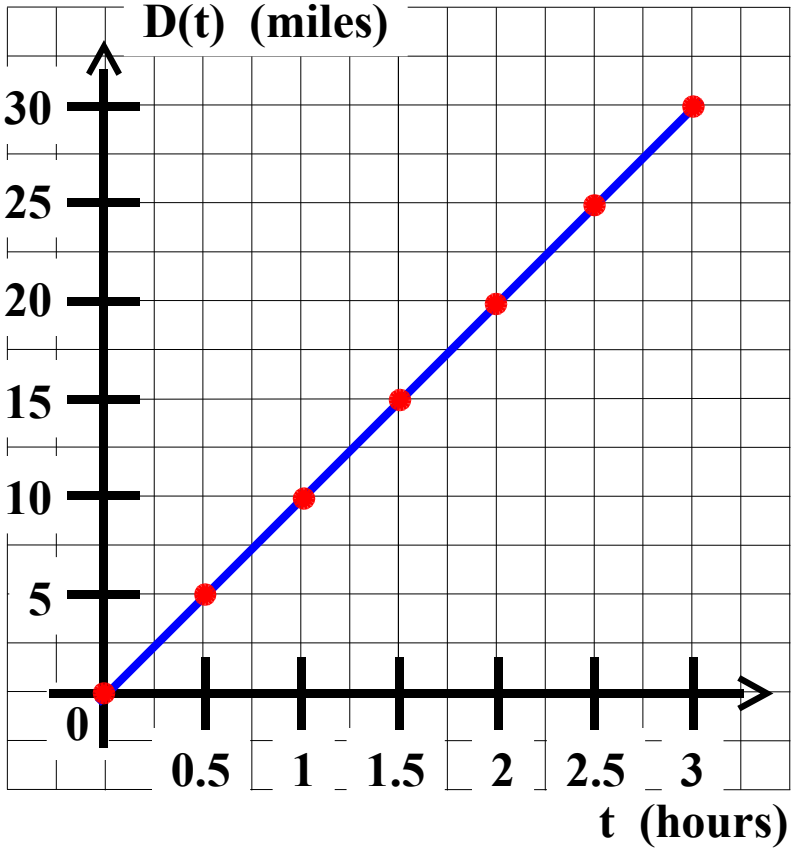

10. Write an equation giving D(t) in terms of t. **D(t)**

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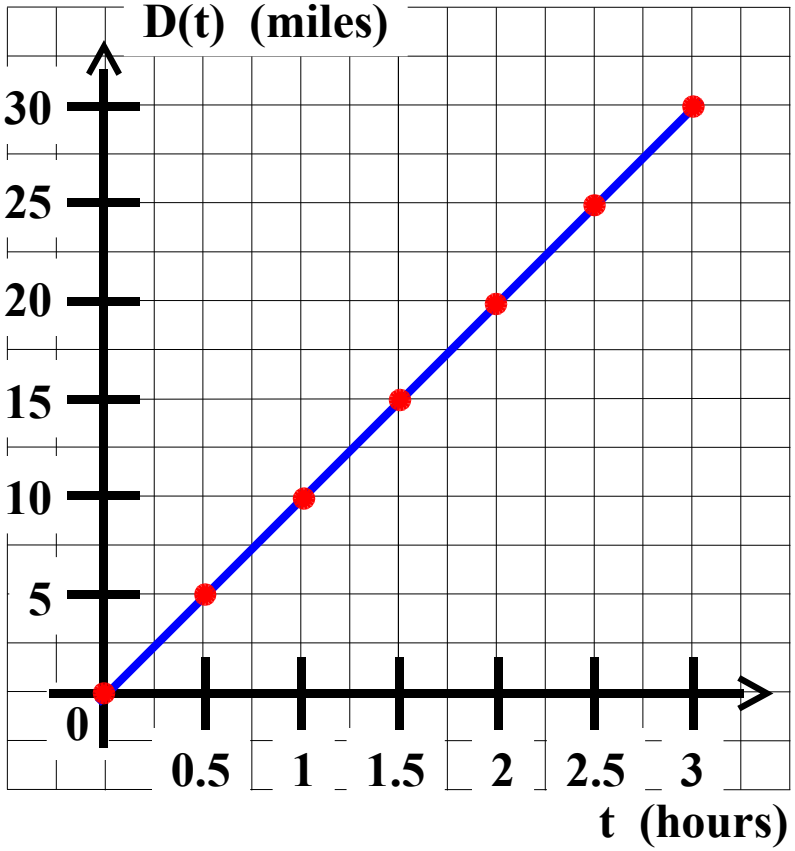

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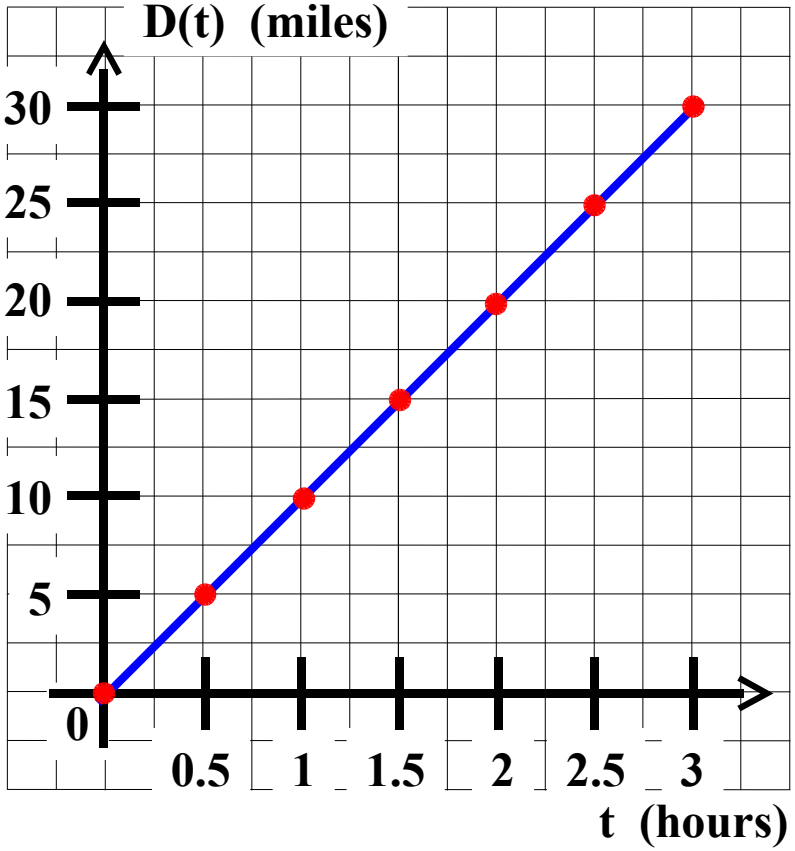

10. Write an equation giving D(t) in terms of t. $D(t) = 10t$

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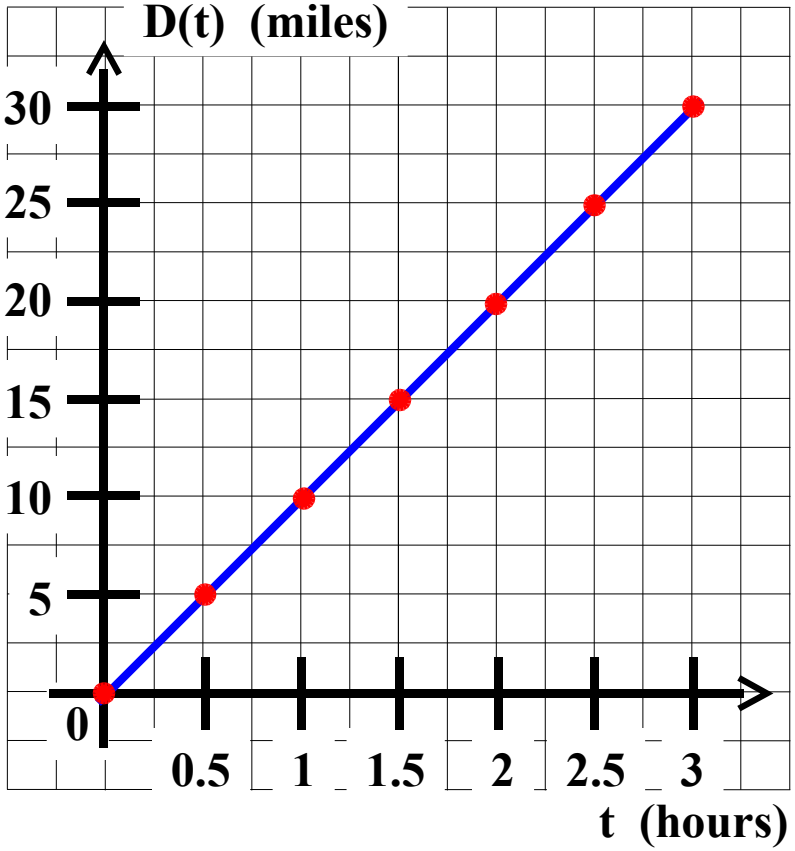

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10 mph for t hours

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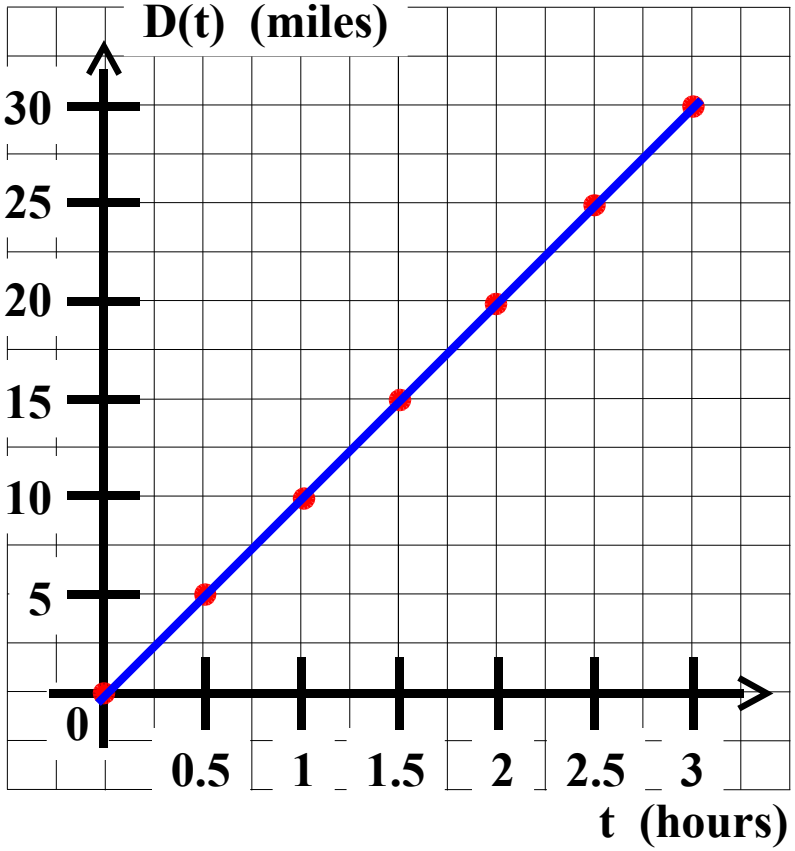

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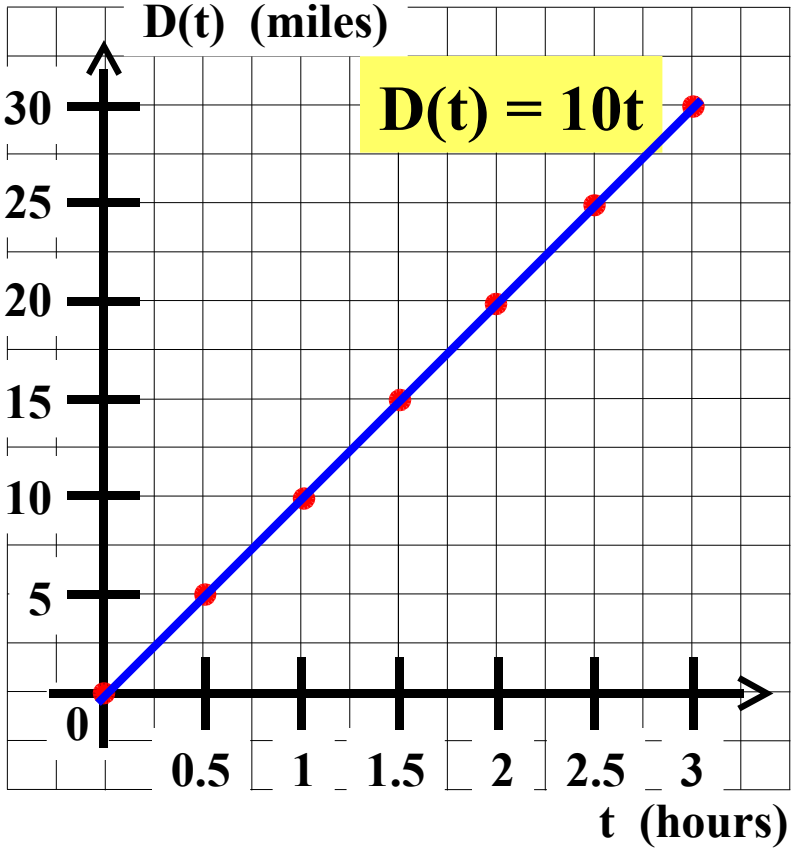

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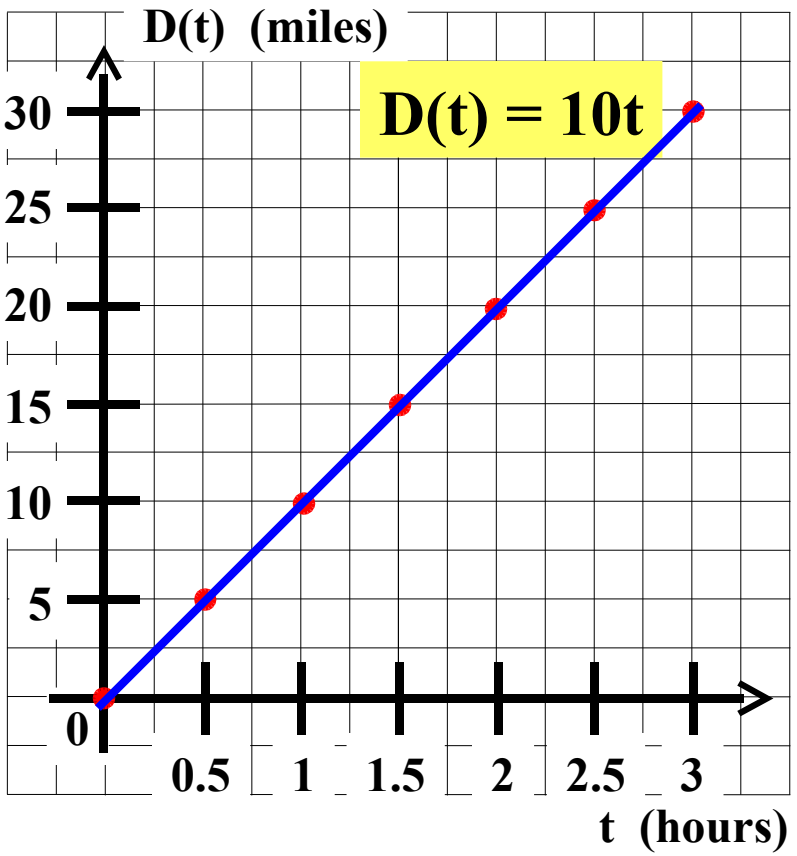

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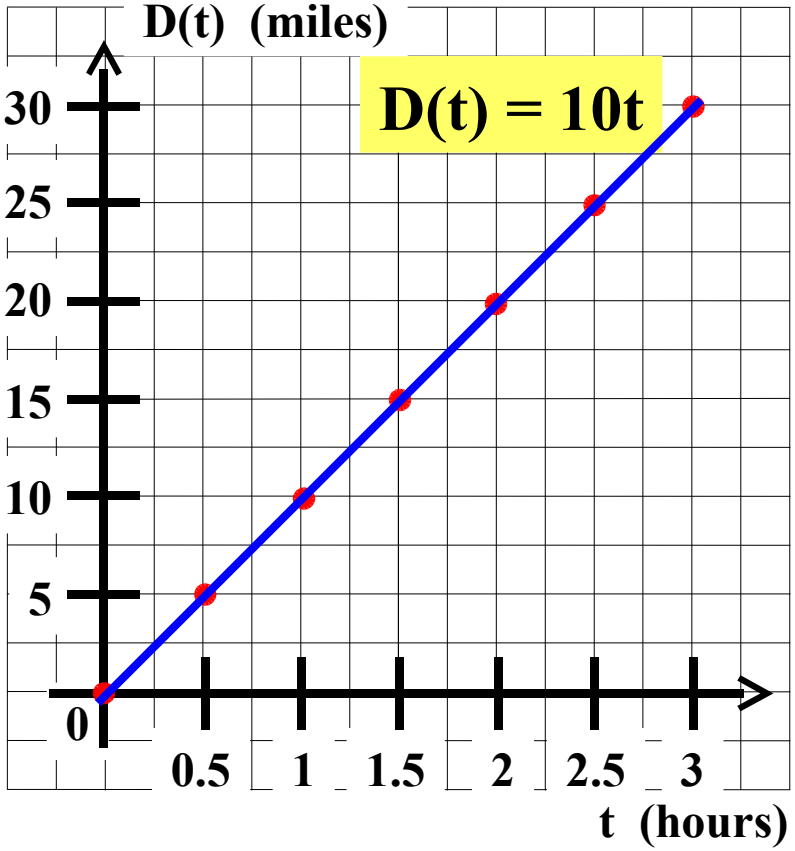

11. What is the domain of function D?

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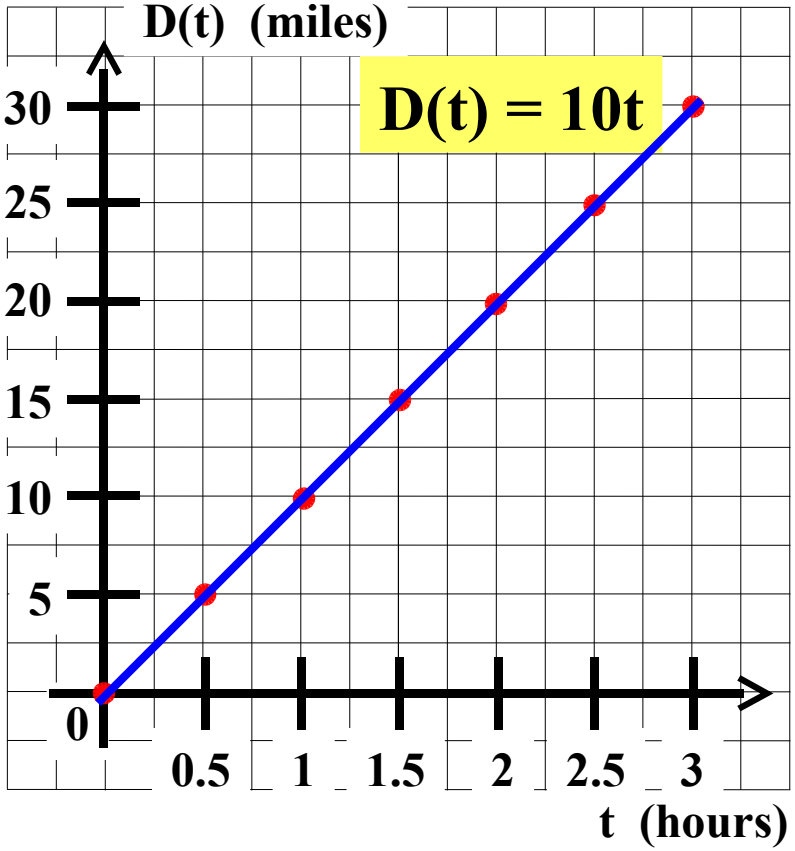

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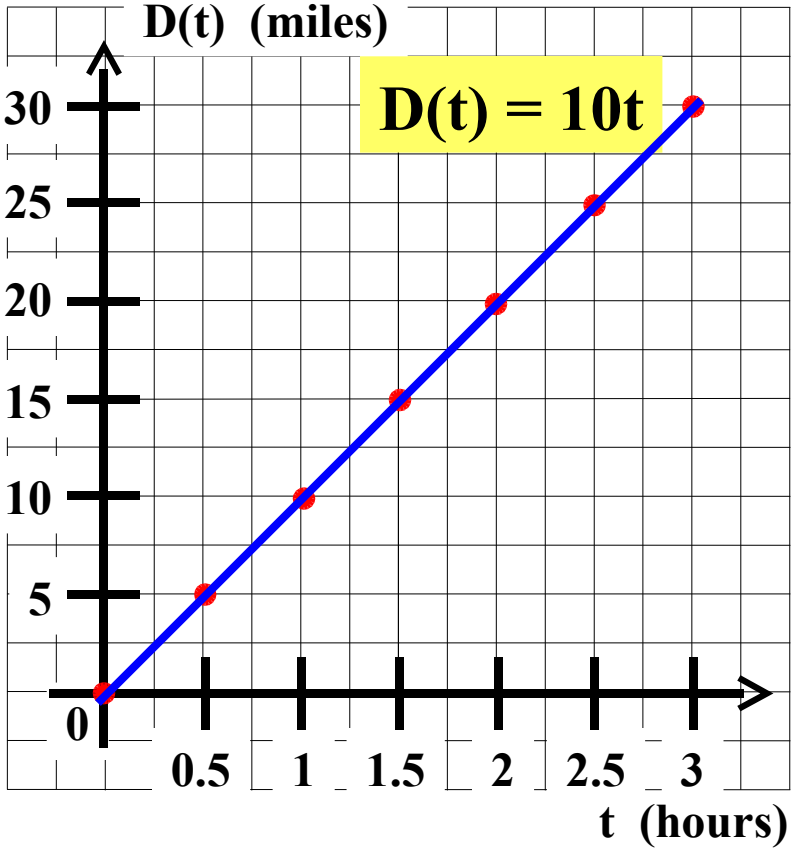

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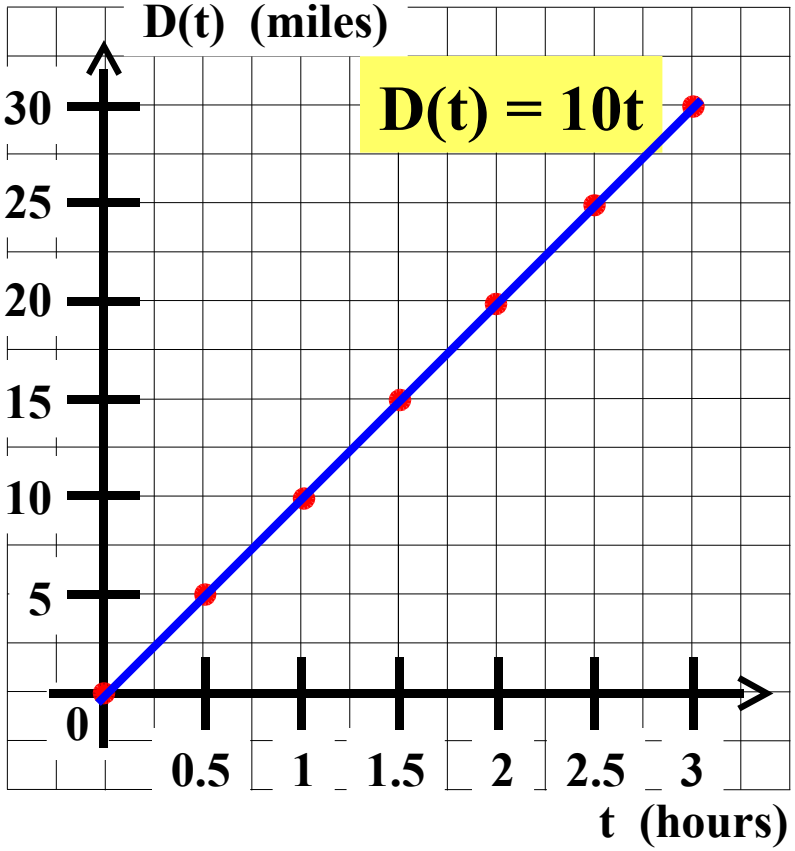

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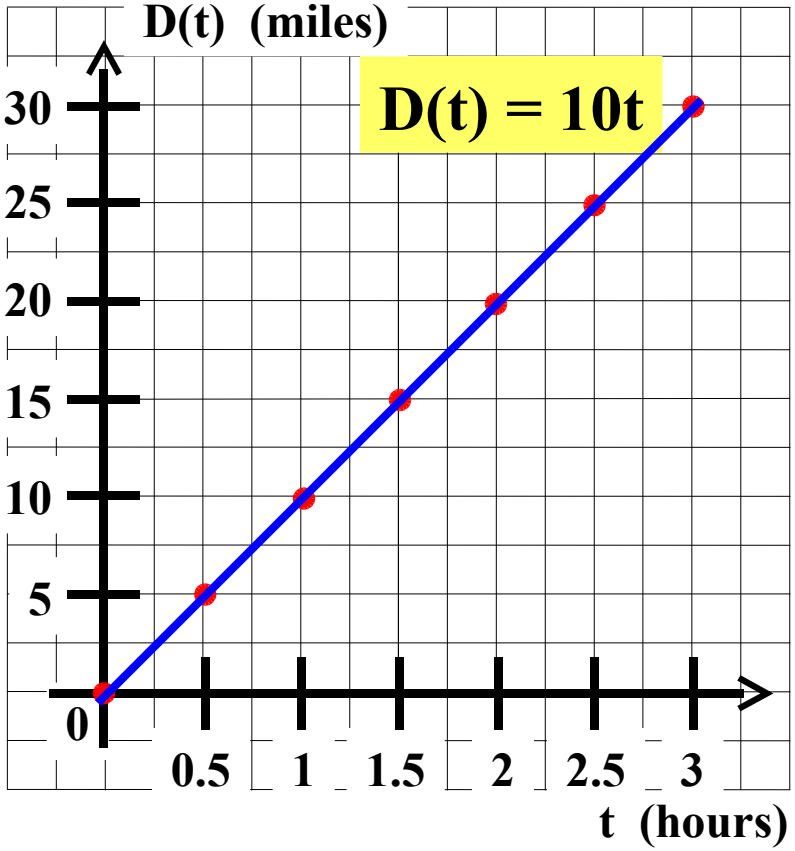

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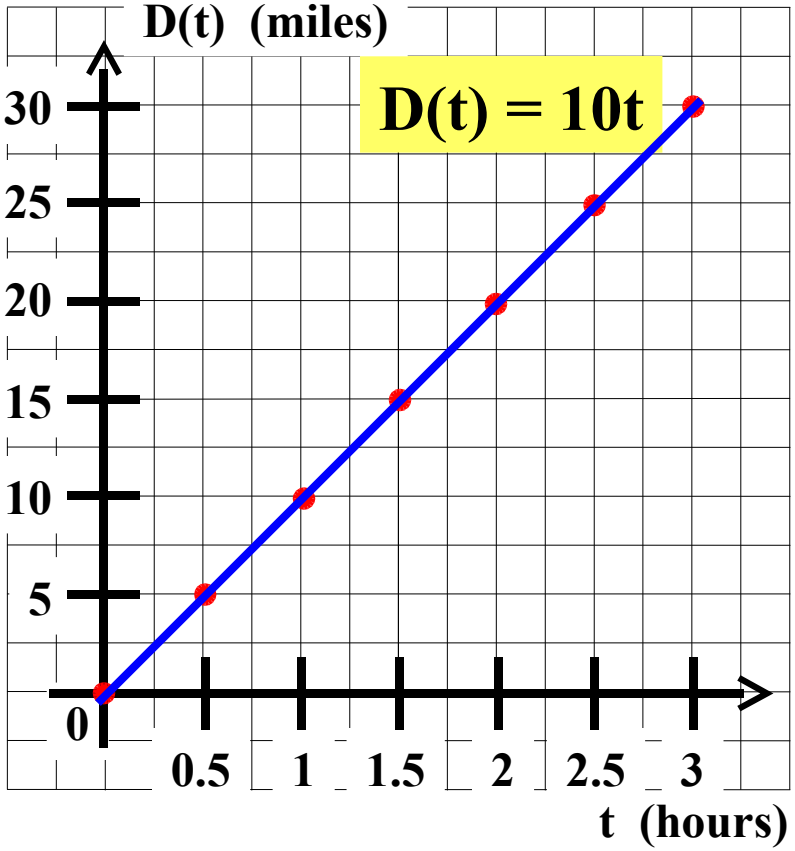

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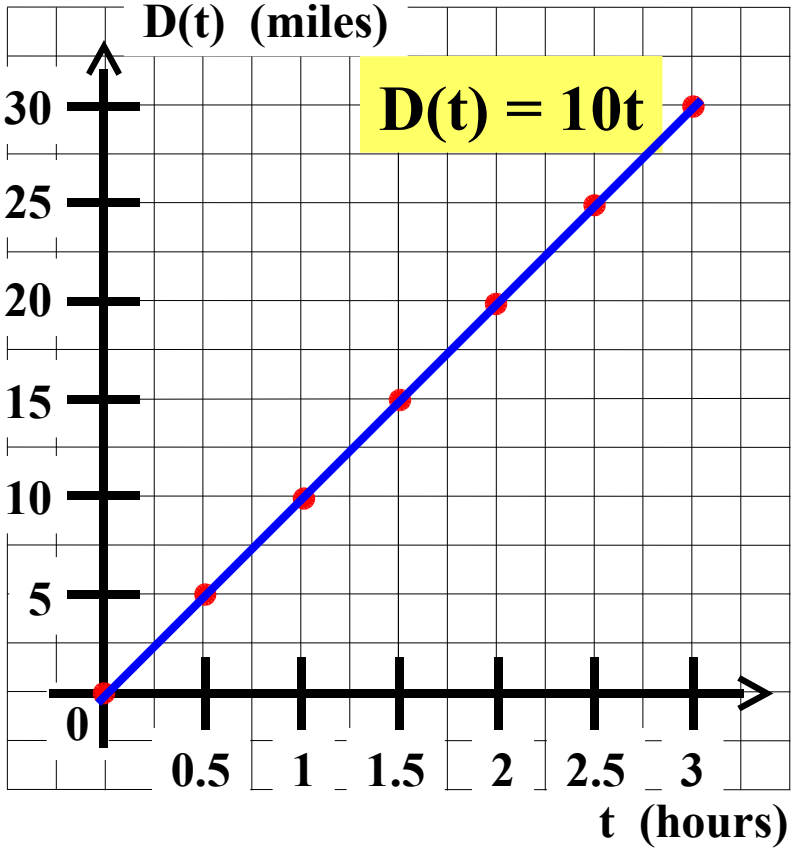

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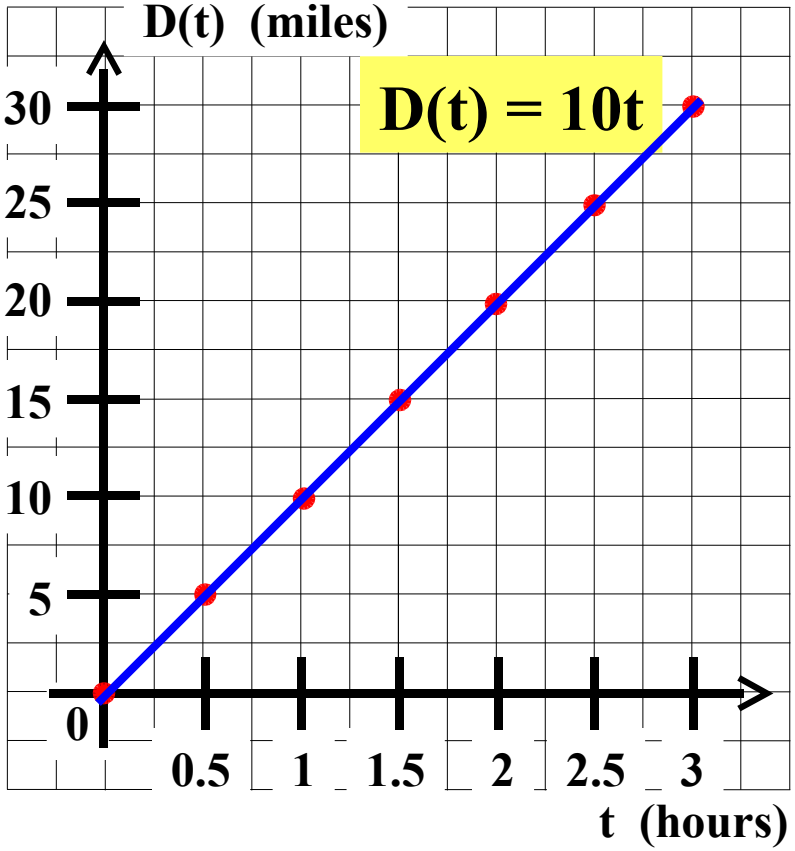

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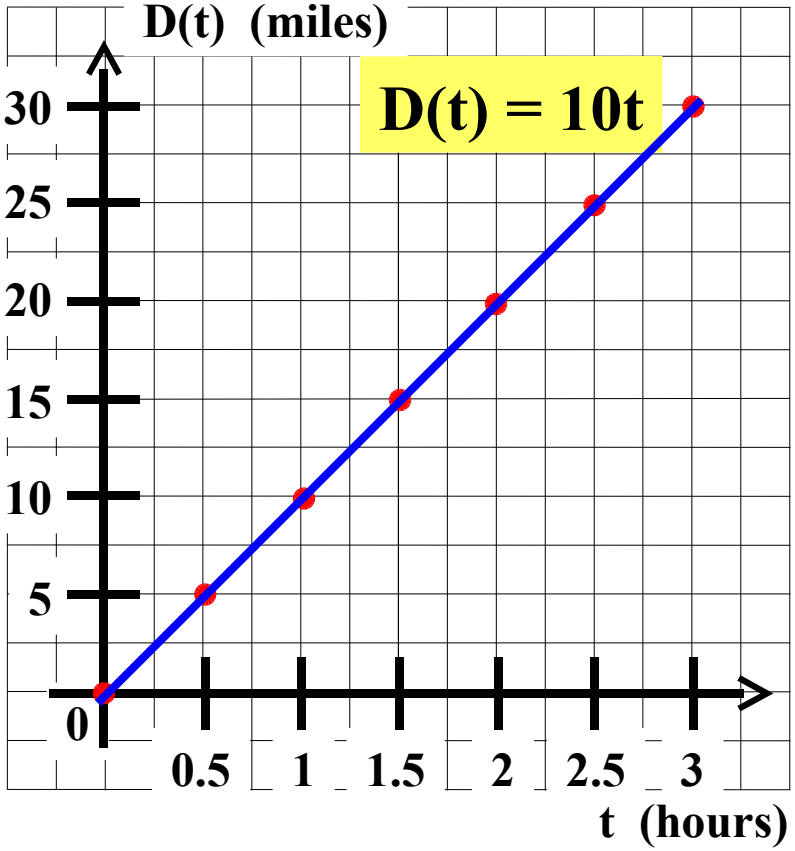

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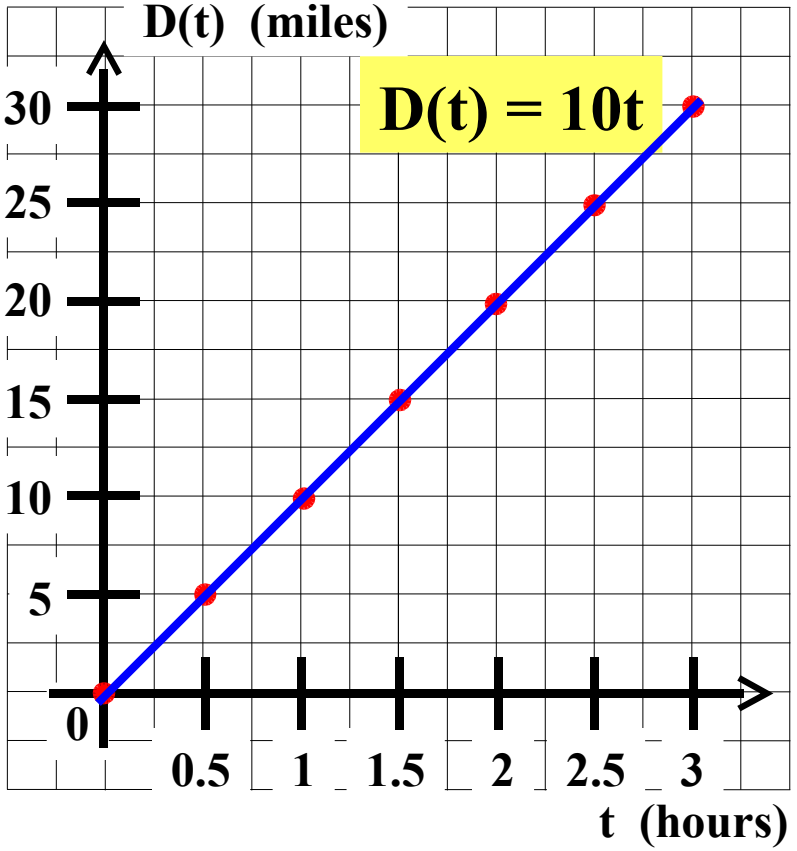

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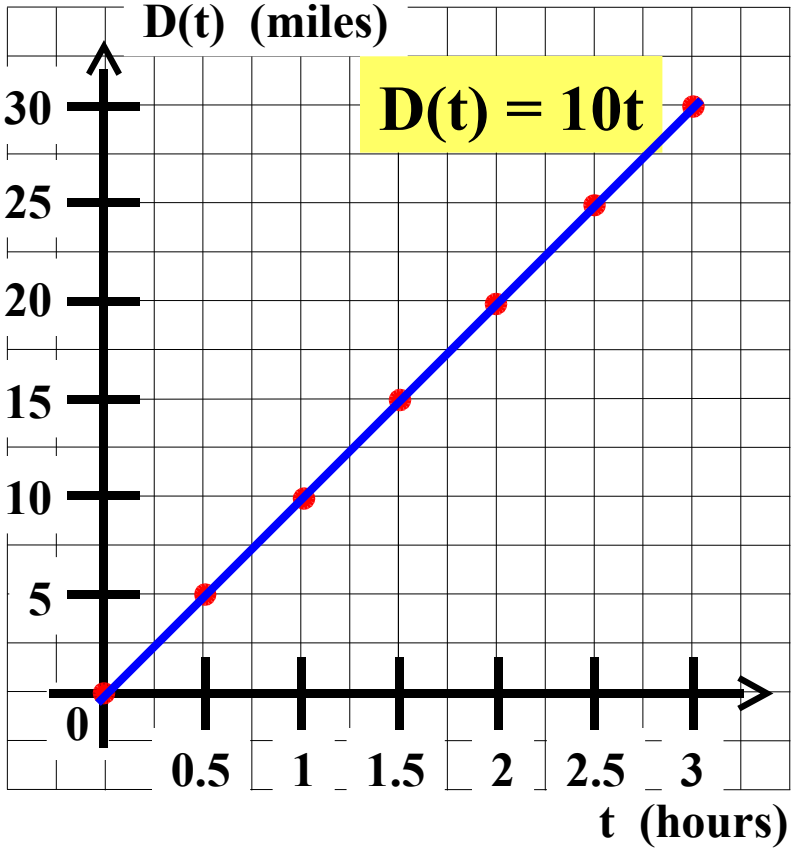

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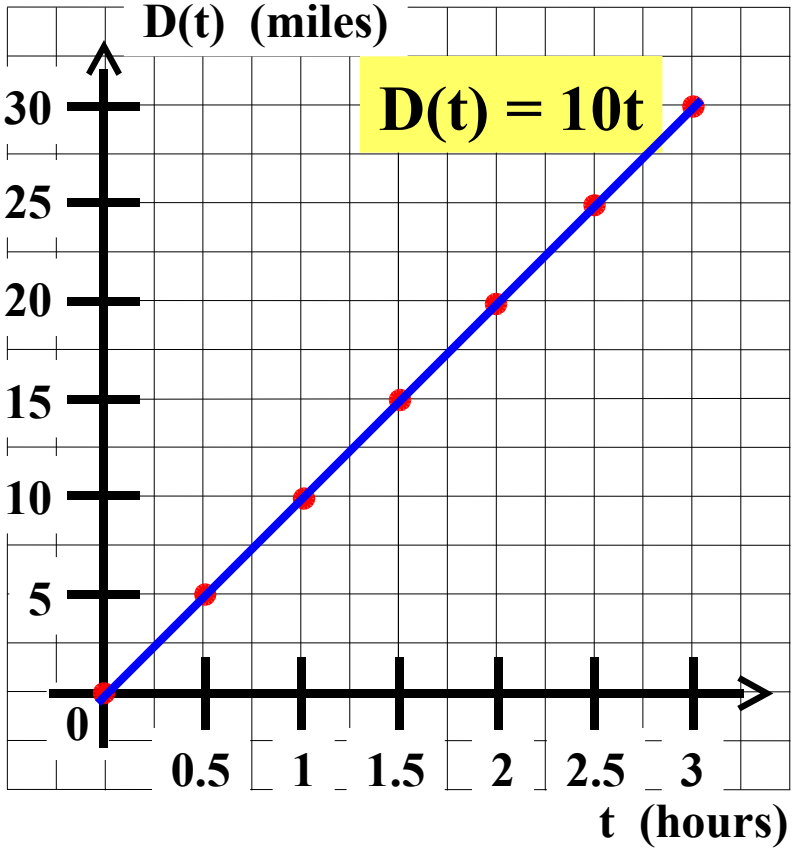

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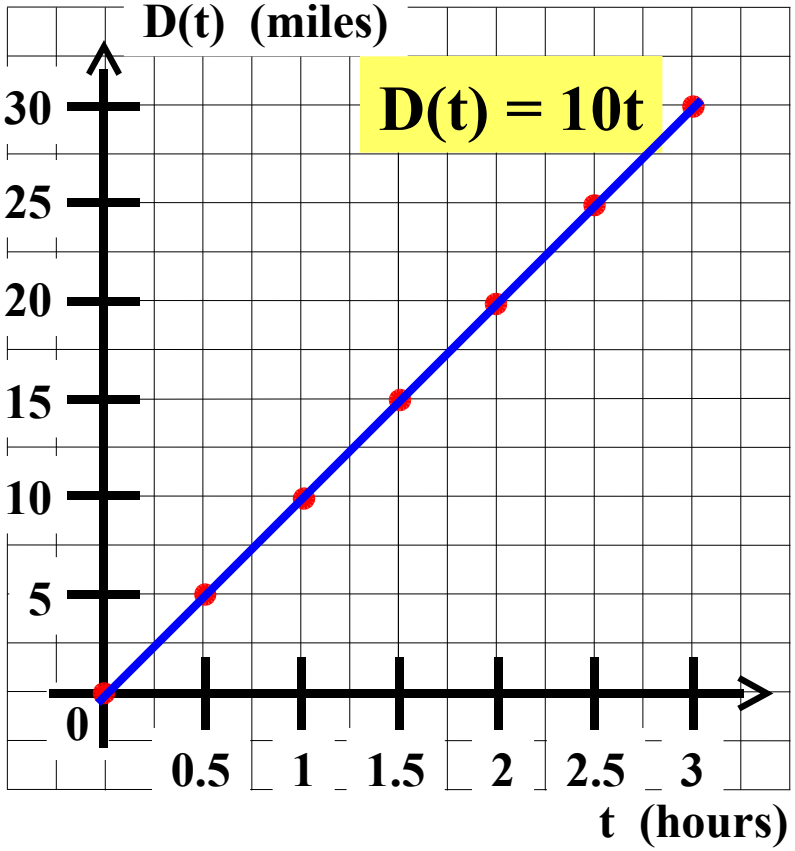

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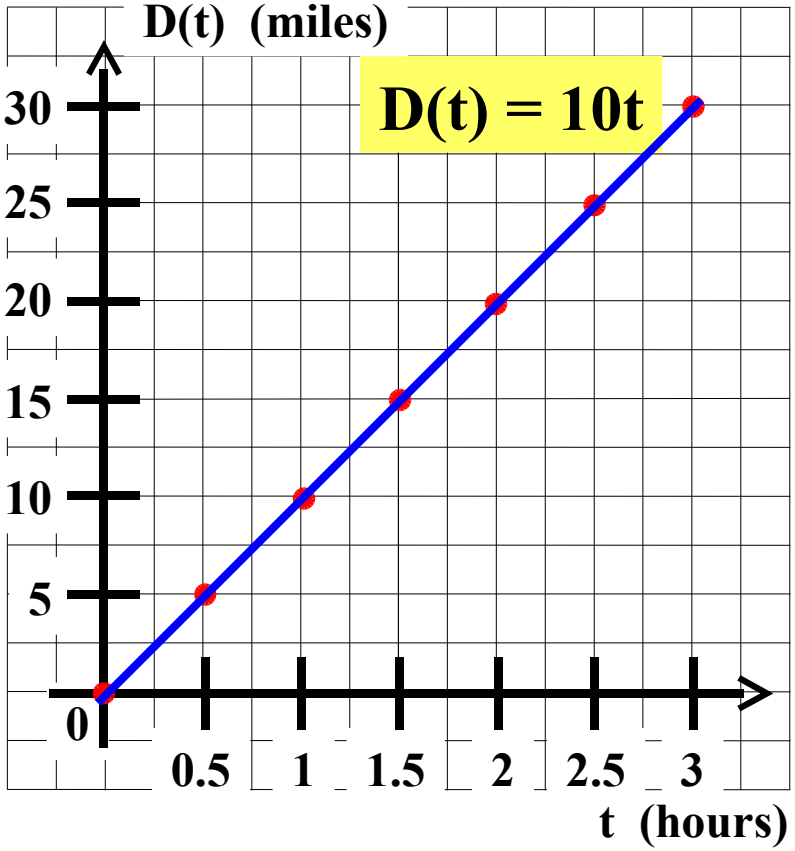

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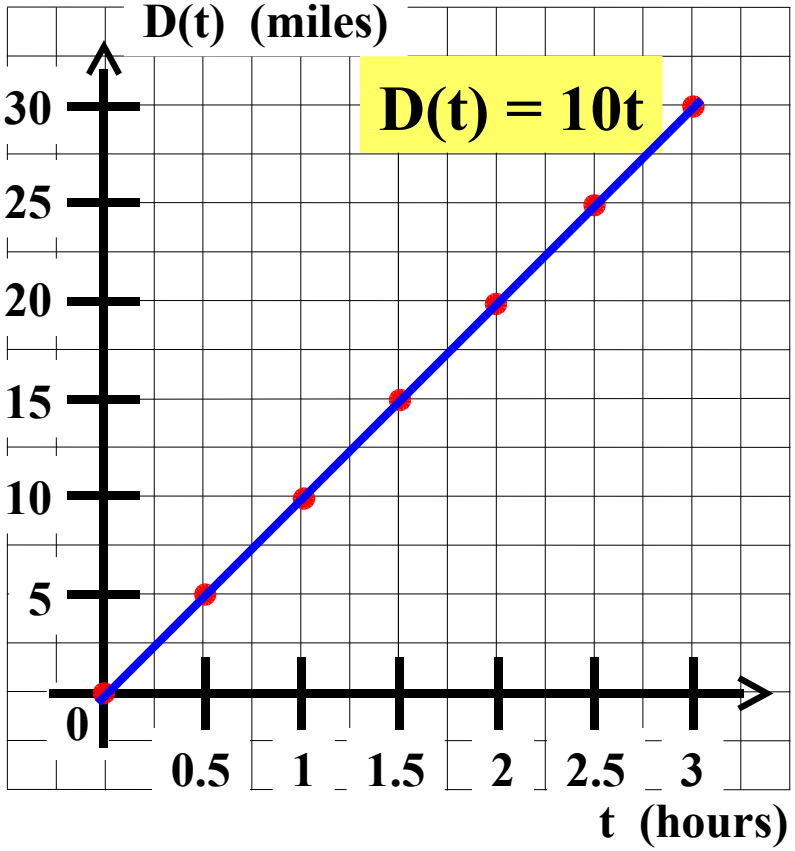

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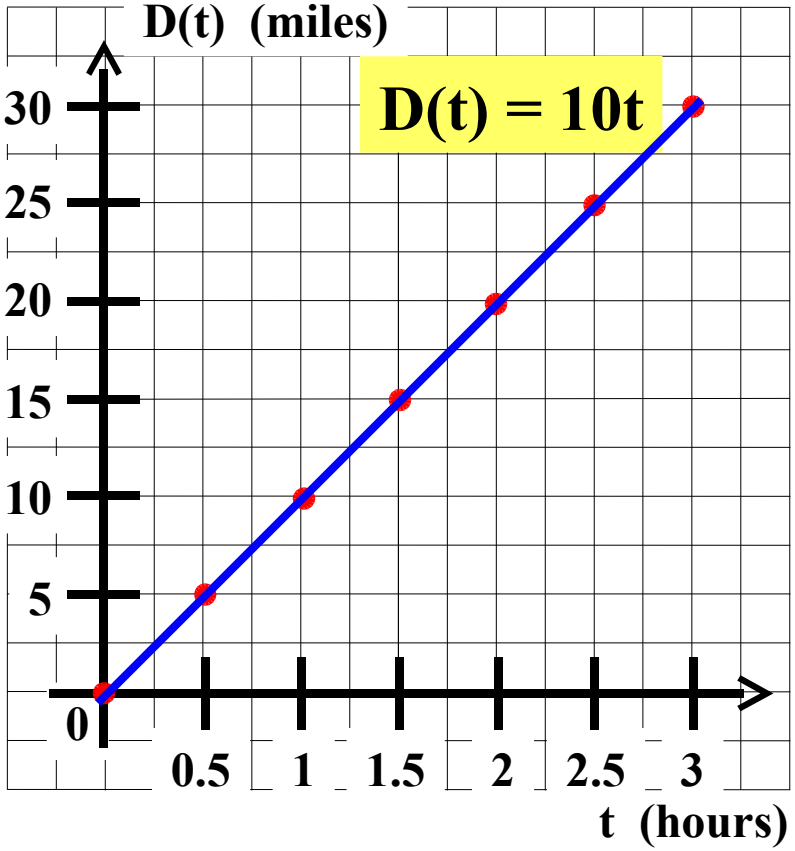

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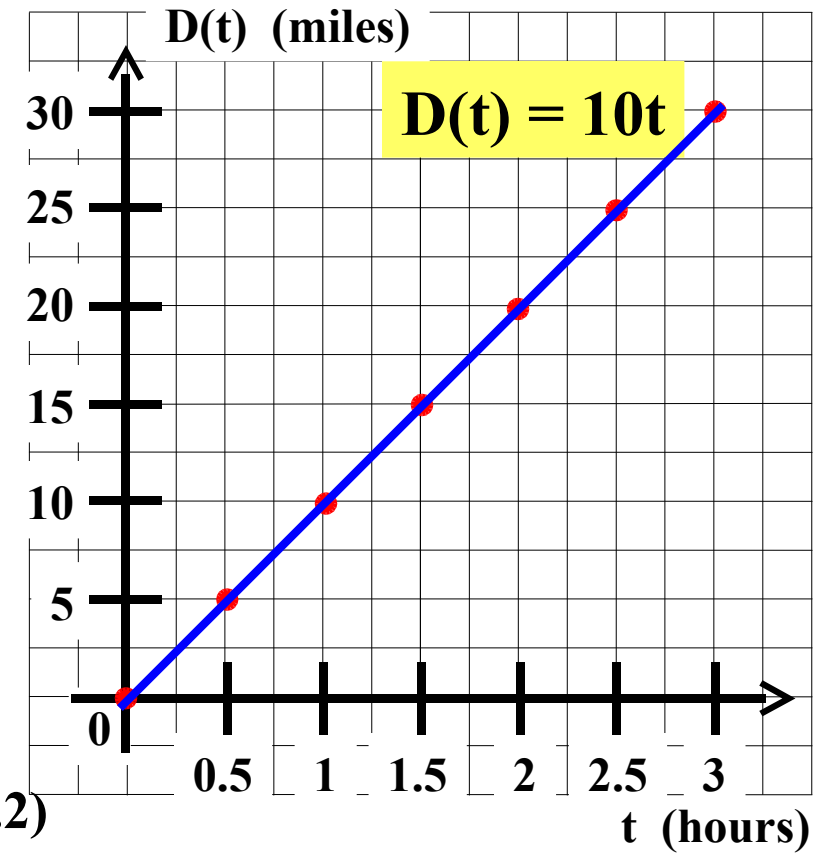

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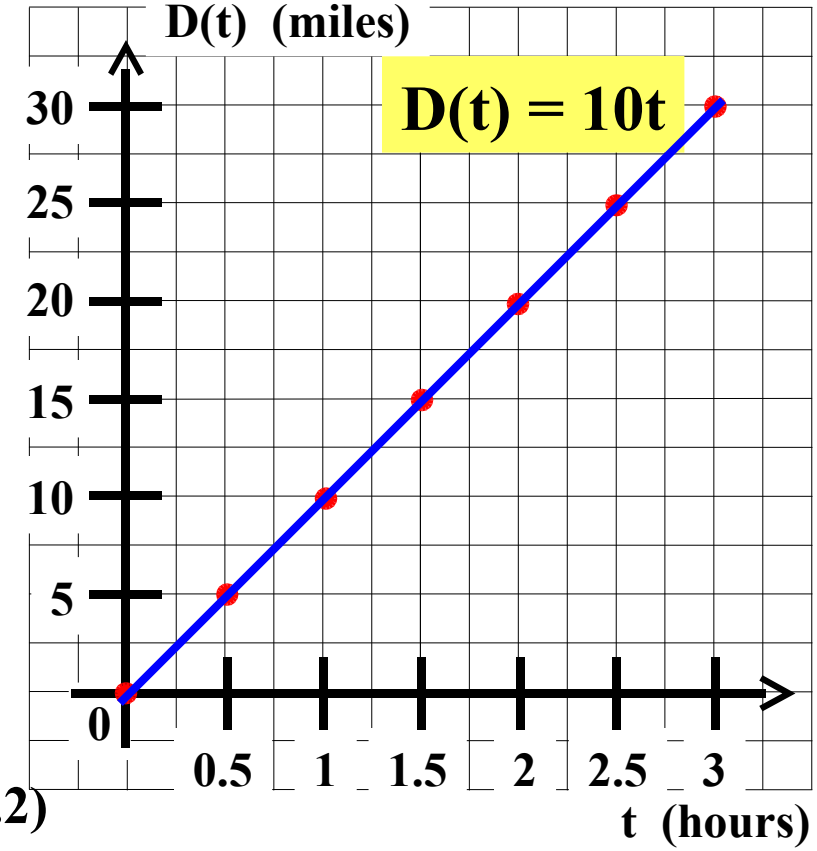

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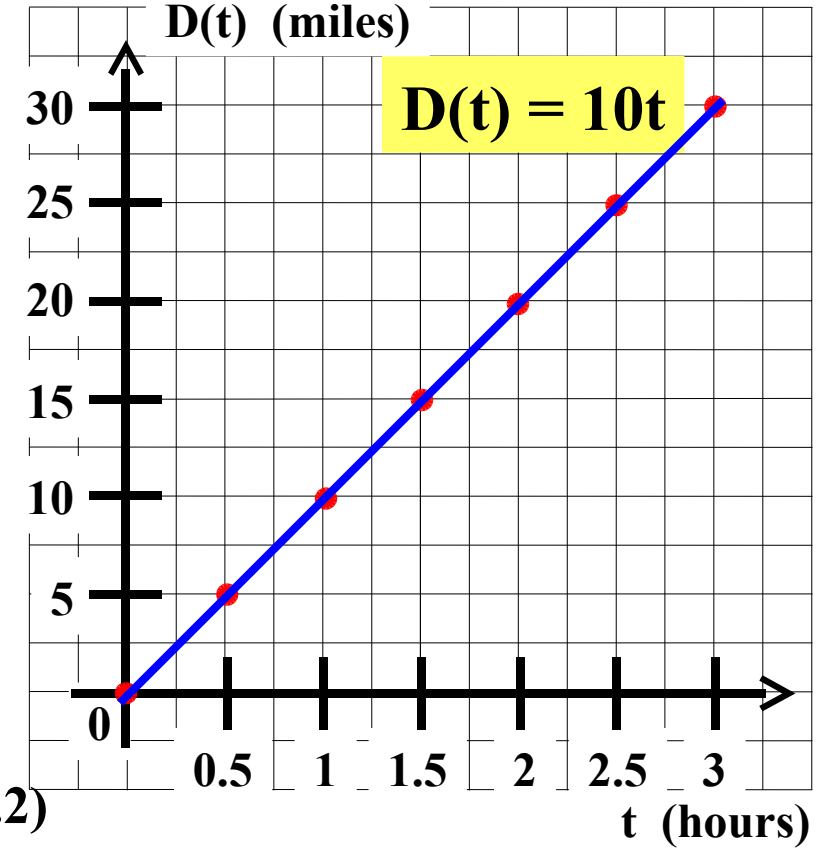

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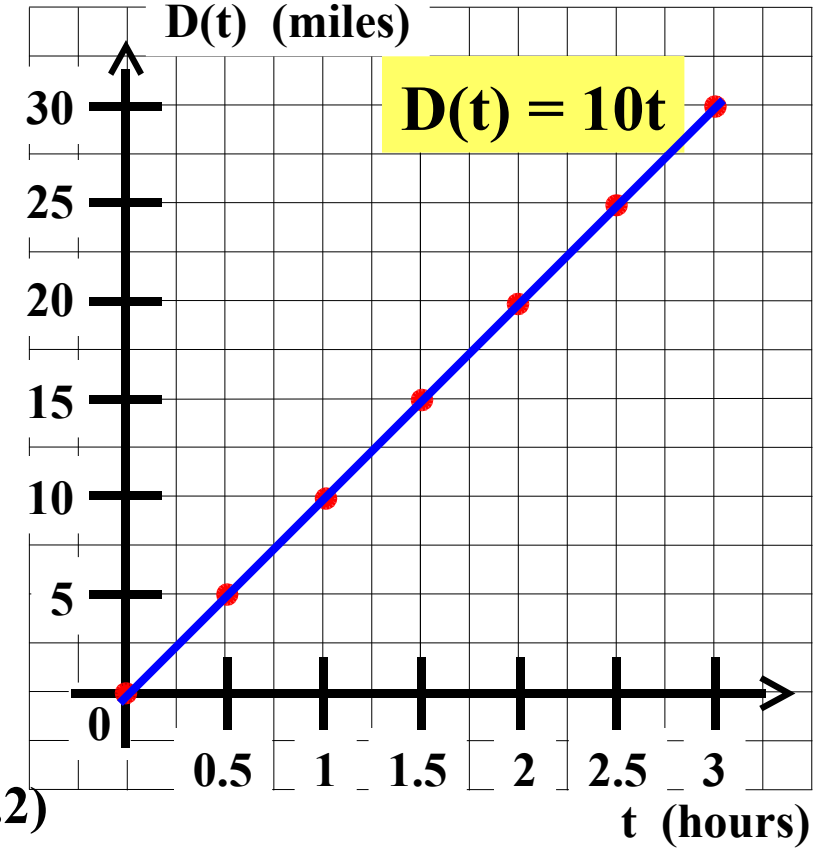

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D(1.2) =

D(1.2) = 10(1.2)

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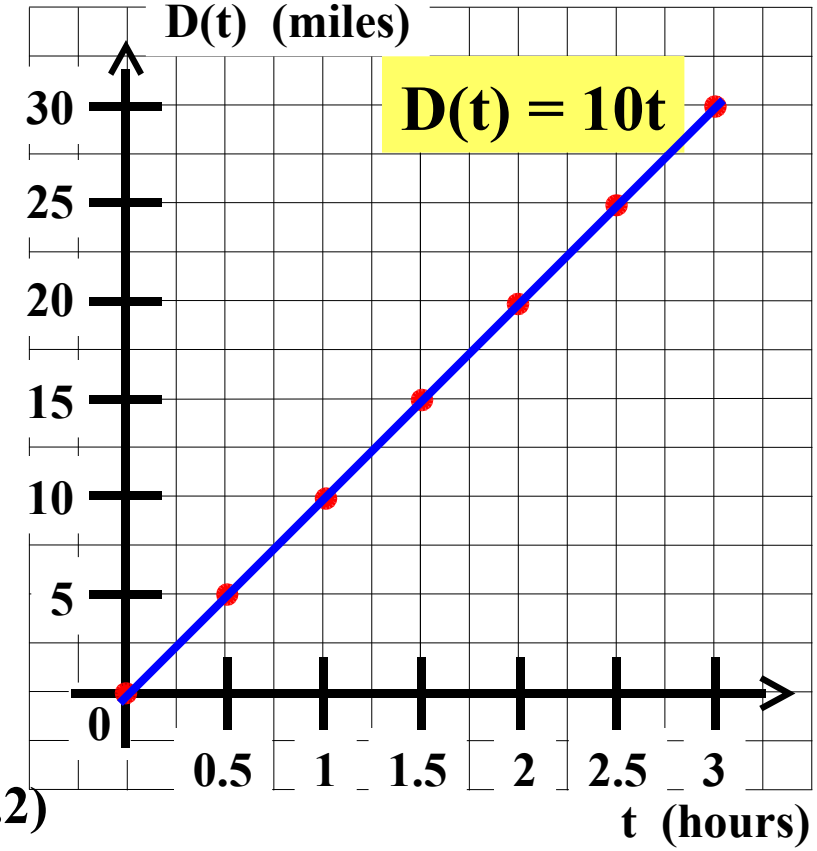

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D(1.2) = 12

D(1.2) = 10(1.2)

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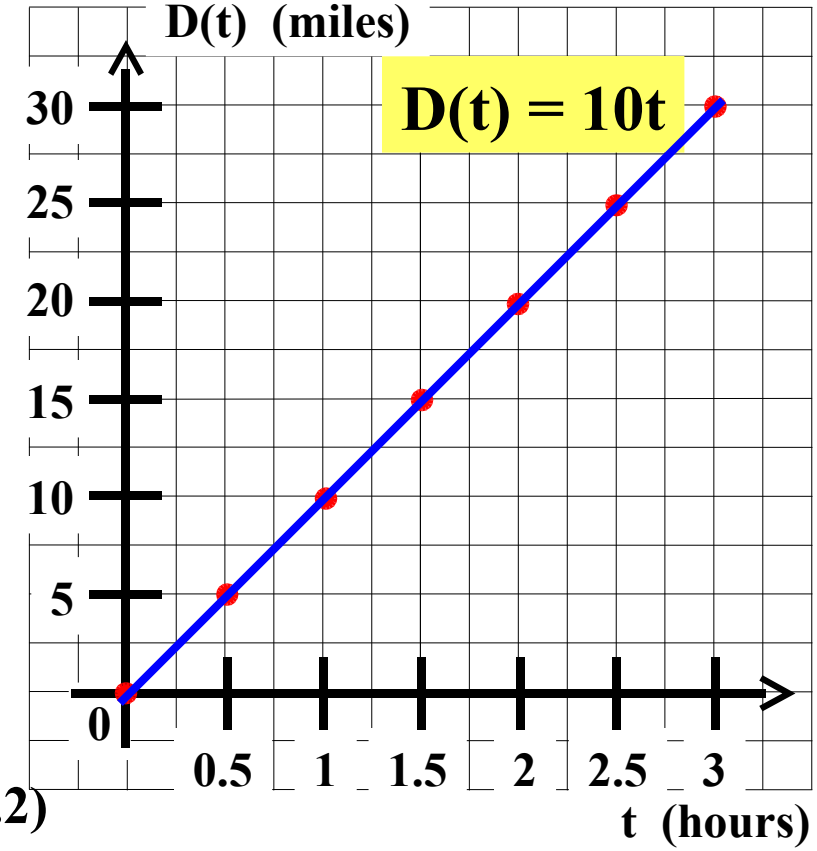

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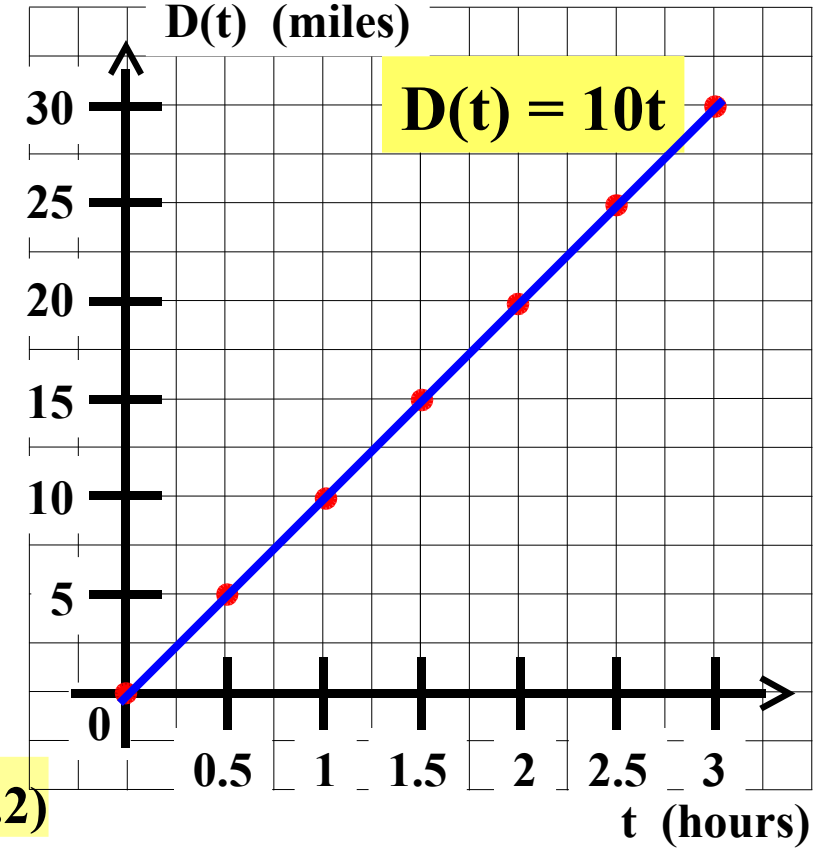

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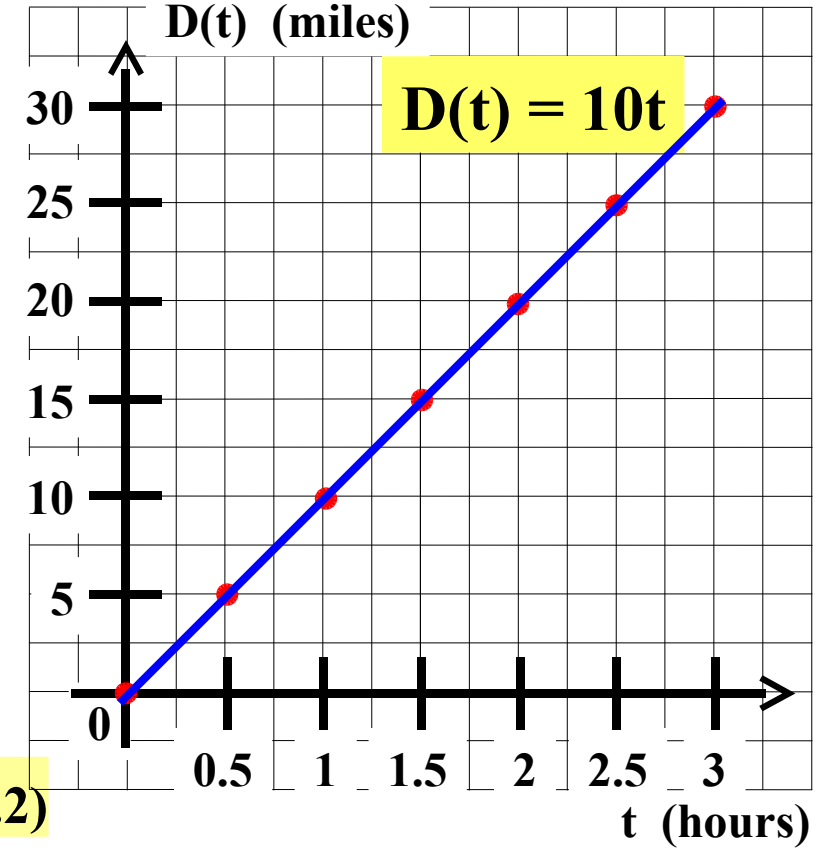

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D(1.2) represents the distance Mary biked.

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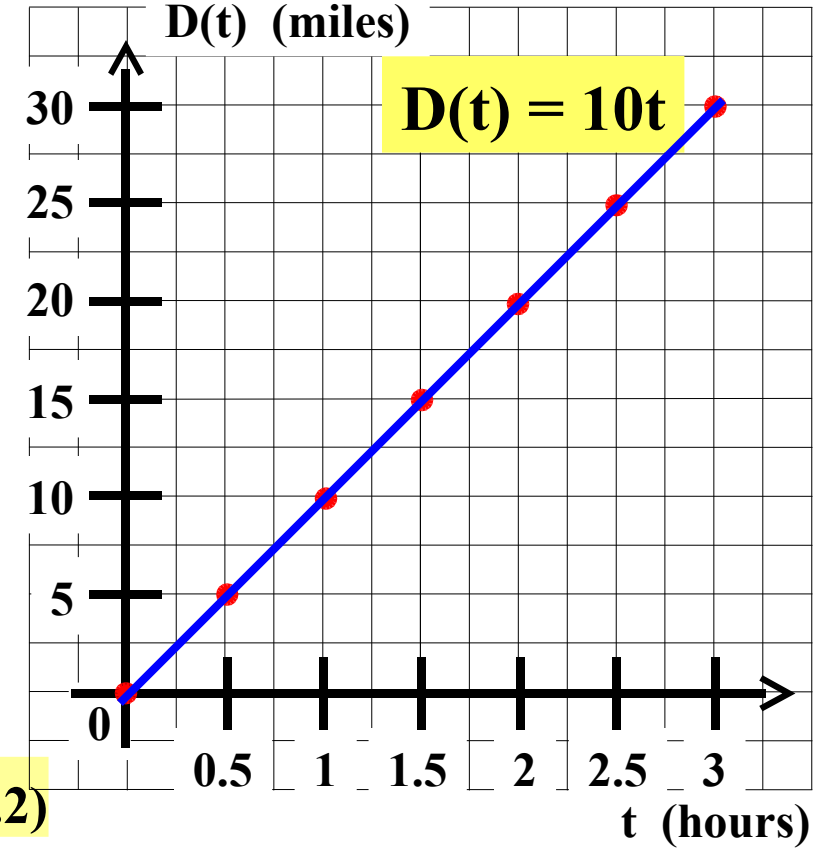

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D(1.2) = 12

D(1.2) represents the distance Mary biked in 1.2 hours.

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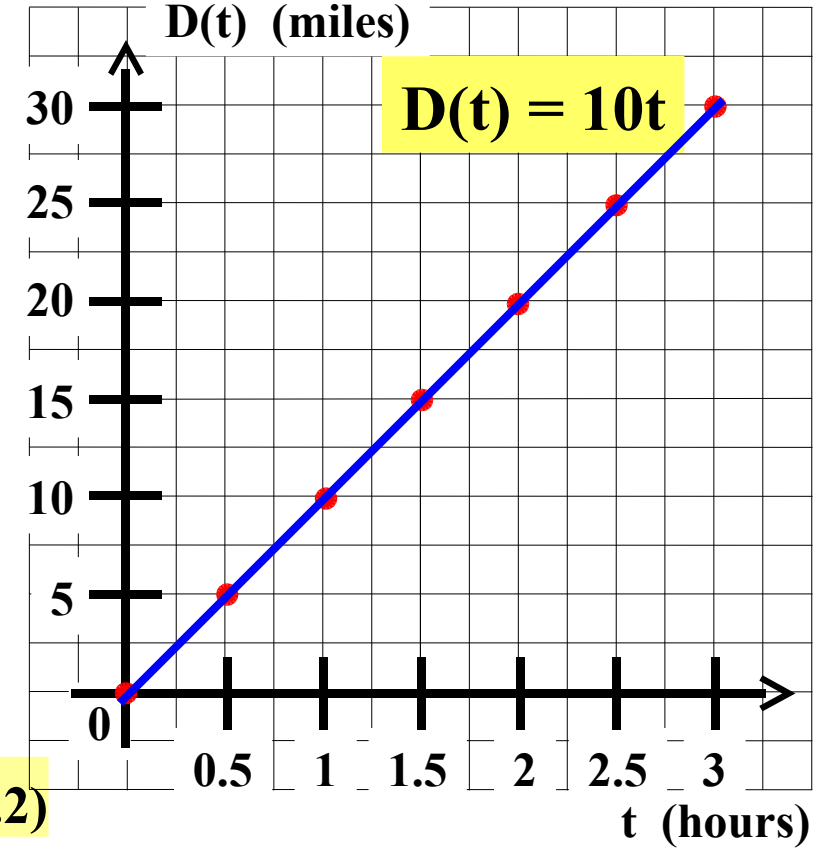

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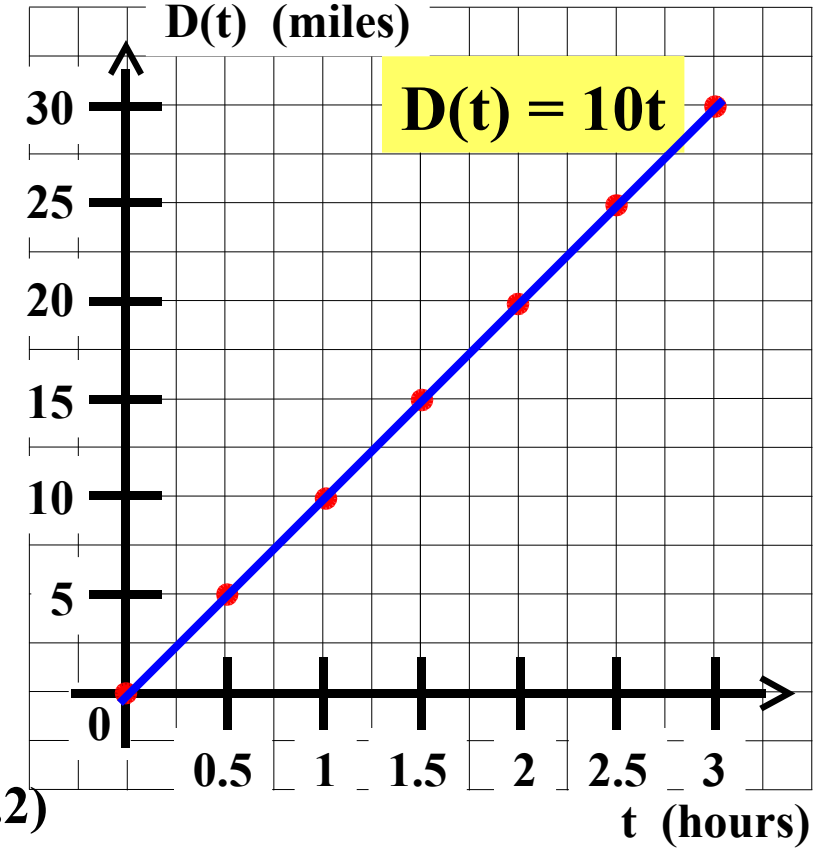

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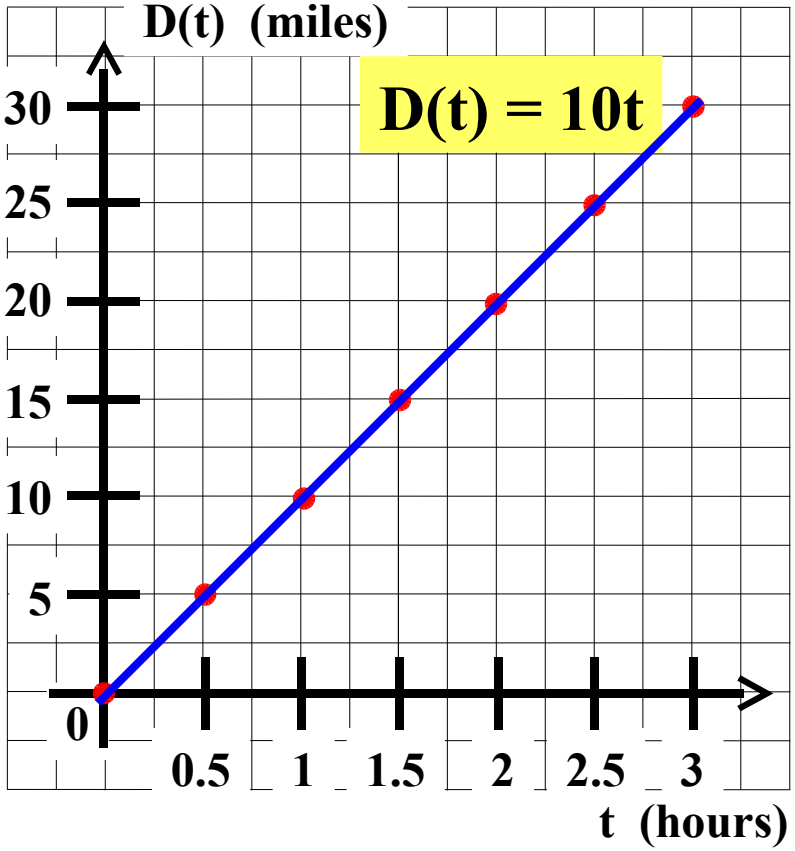

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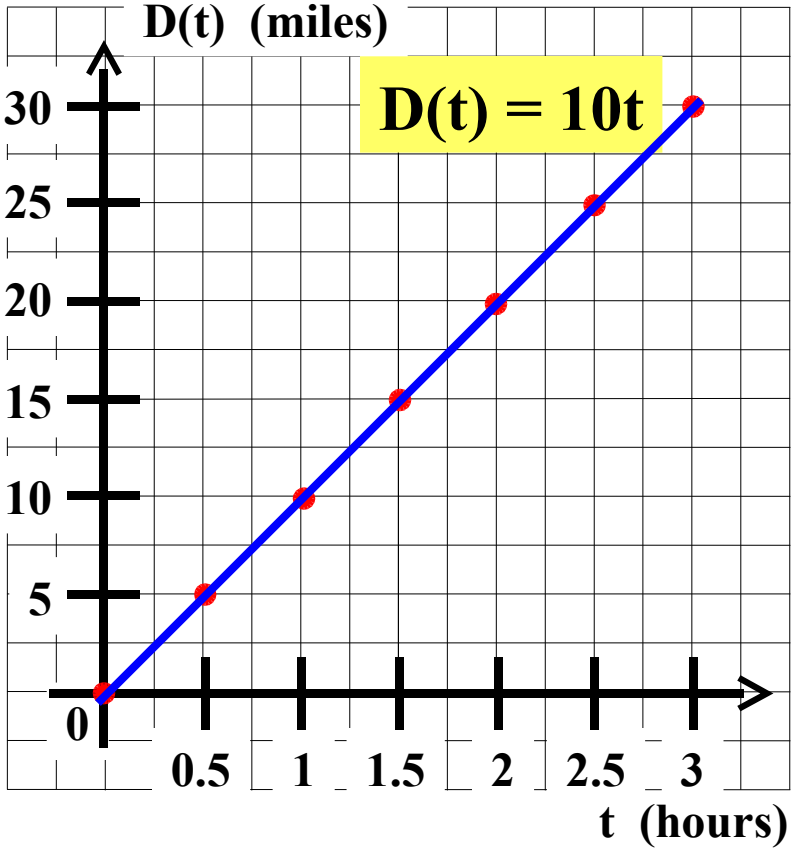

14. If D(t) = 15, then find the value of t. What does this value of t represent in terms of the problem?

Algebra II Class Worksheet #3 Unit 3

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0	0
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domain

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range

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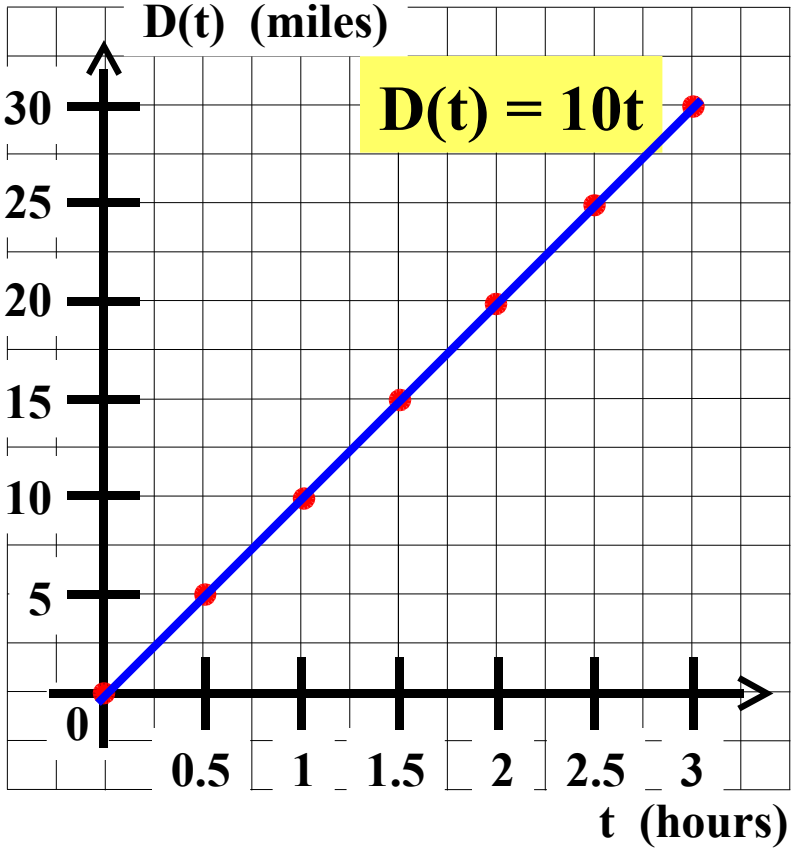

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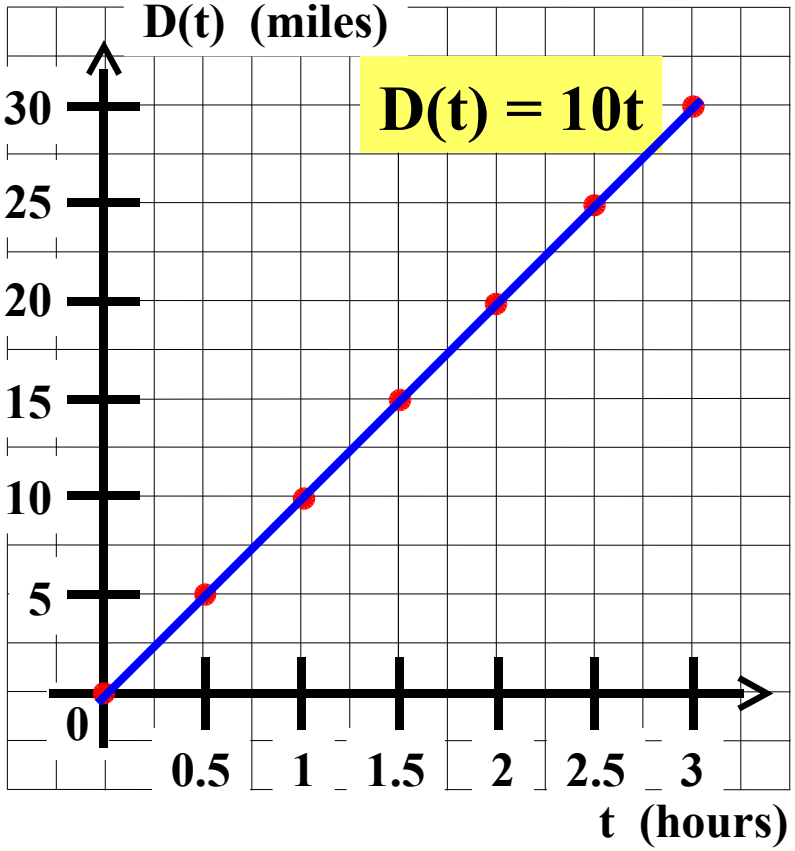

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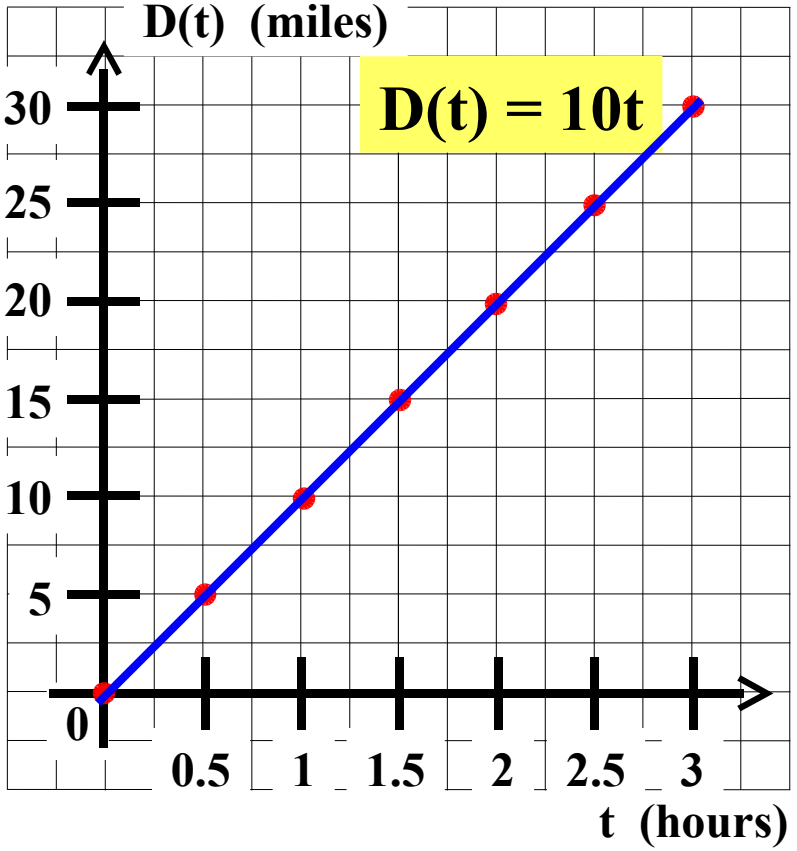

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$D(t) = 15$

$10t$

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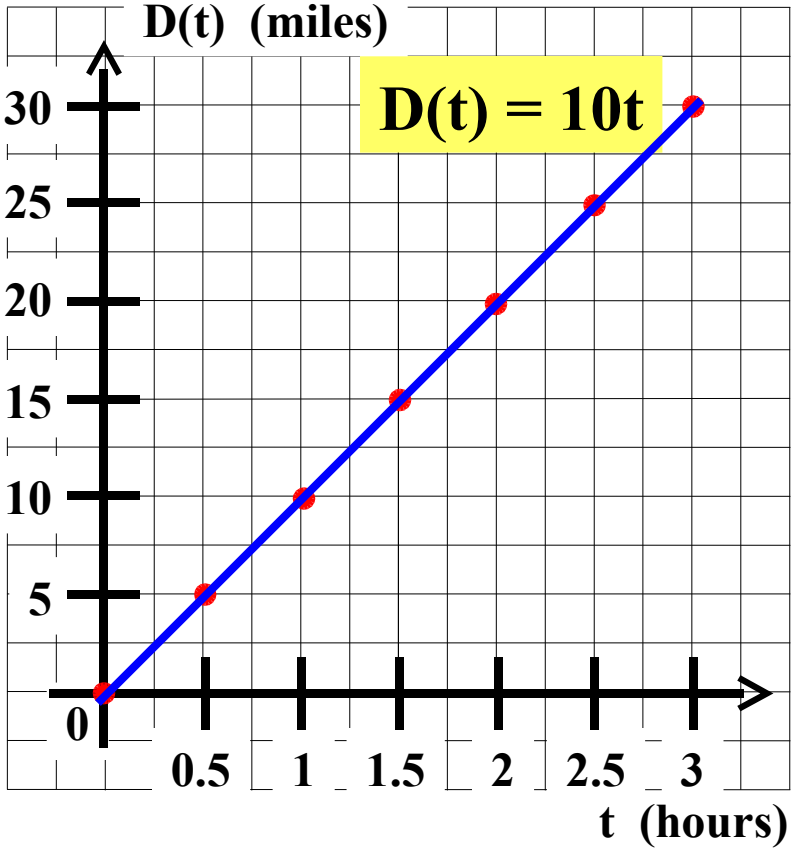

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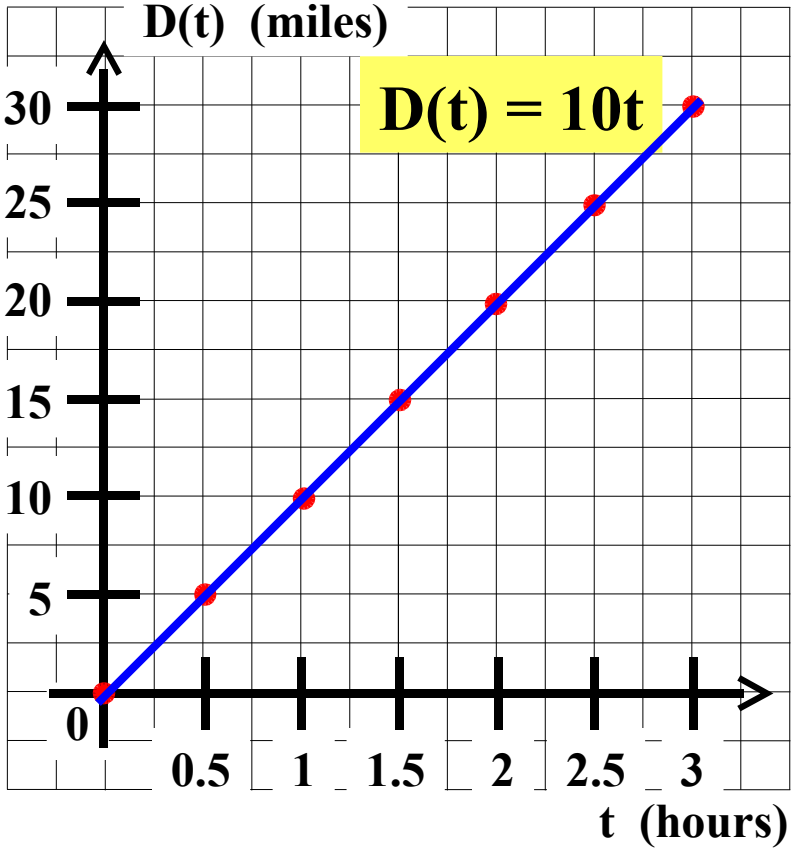

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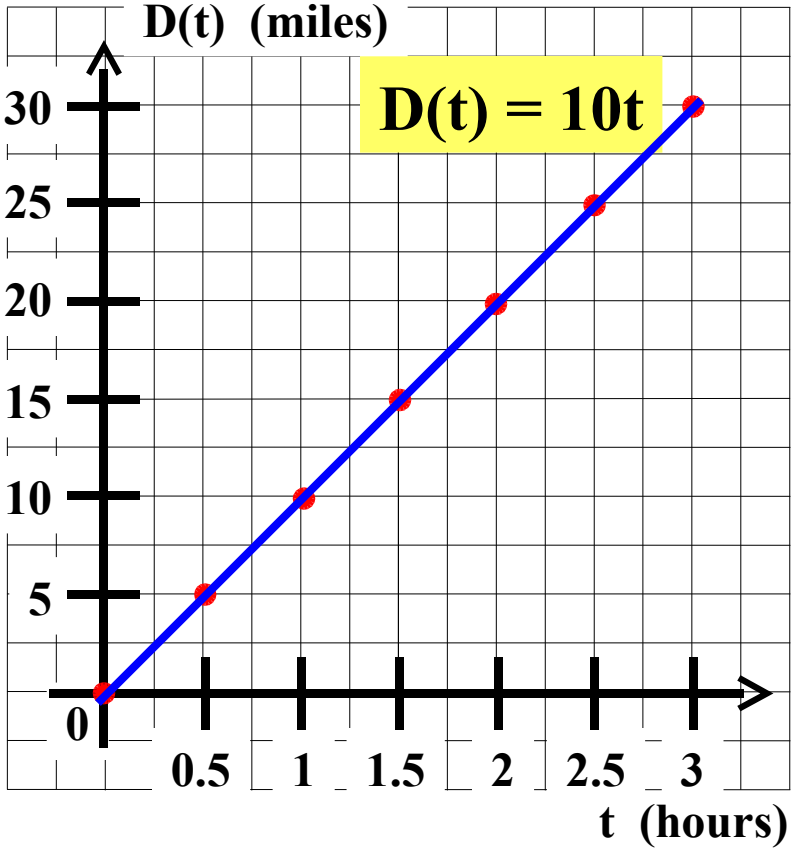

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$D(t) = 15 \rightarrow t = 1.5$

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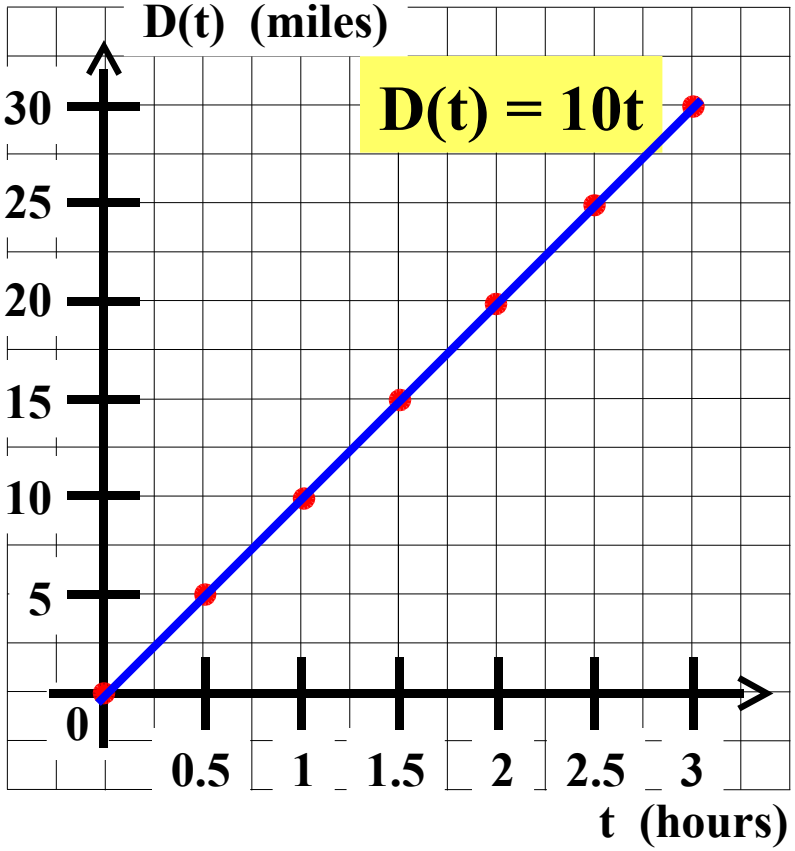

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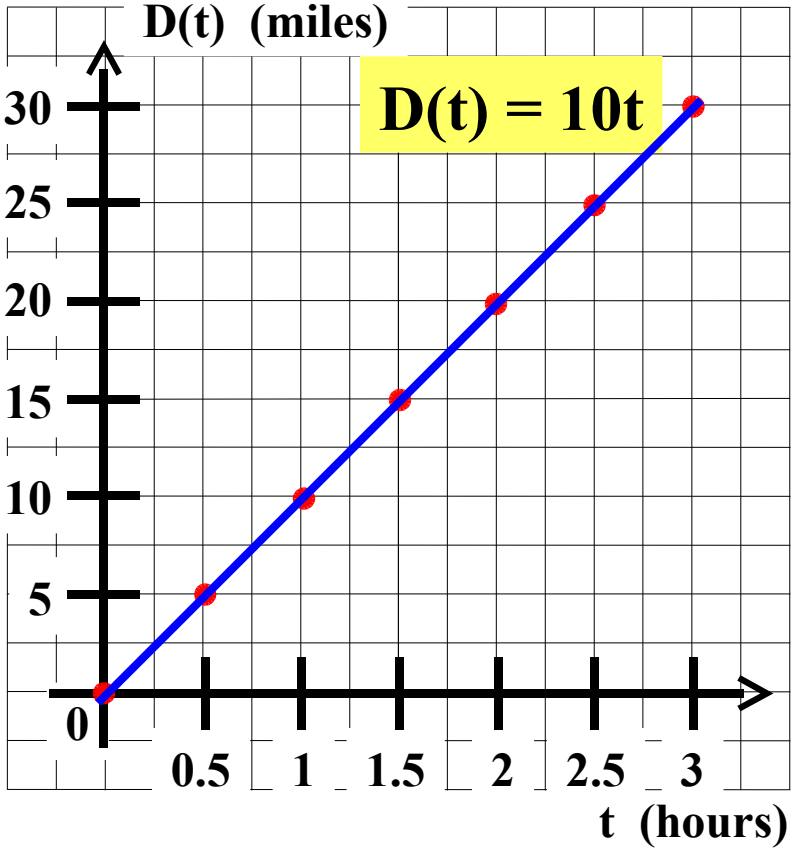

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This represents the time it took Mary to bike 15 miles.

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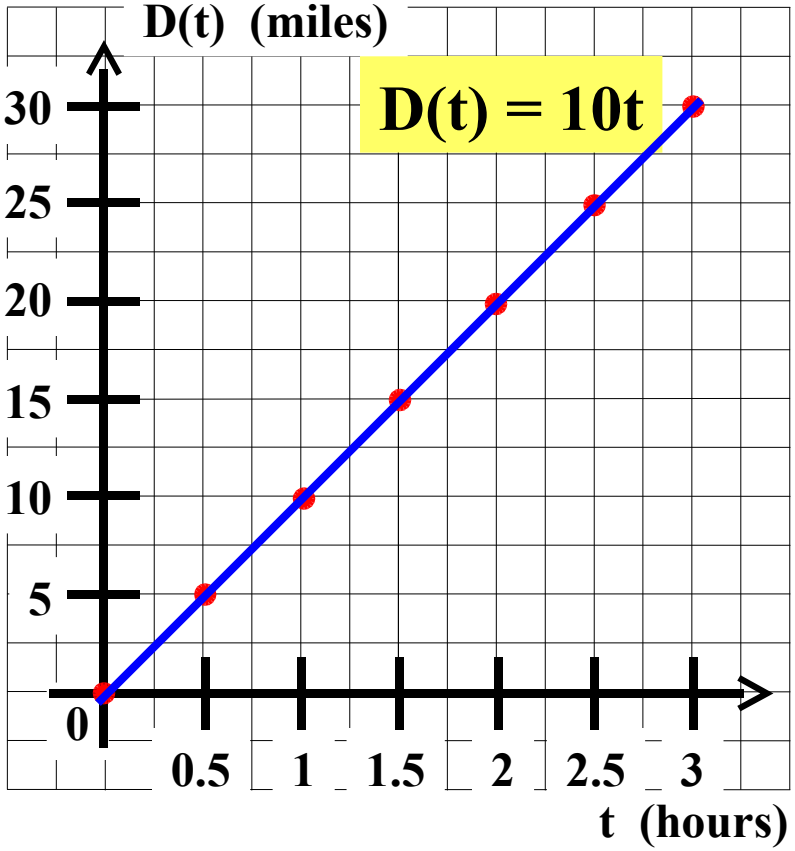

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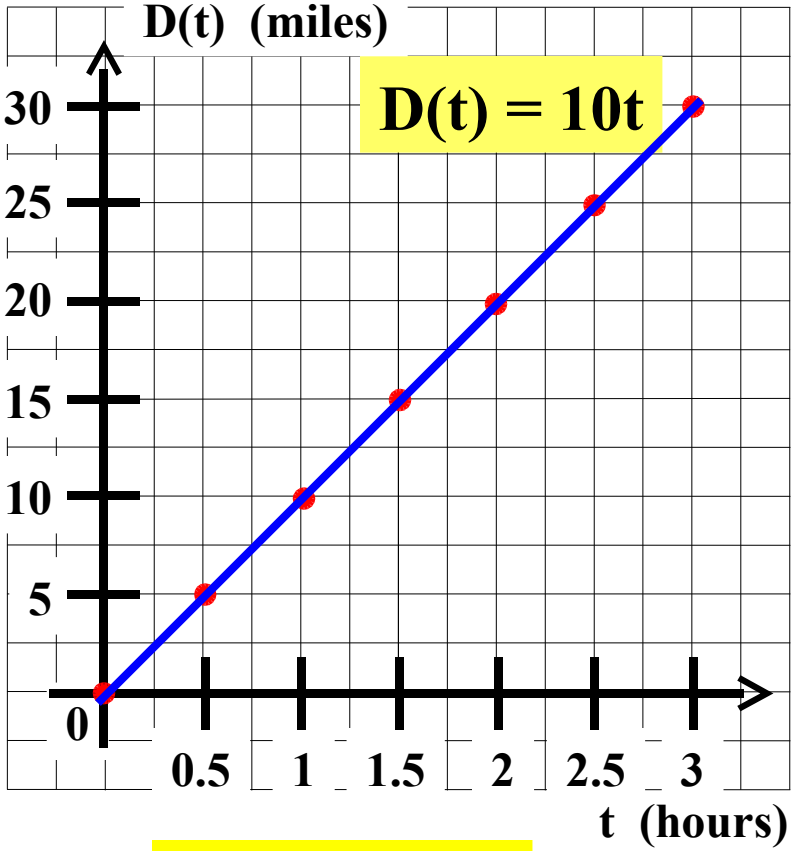

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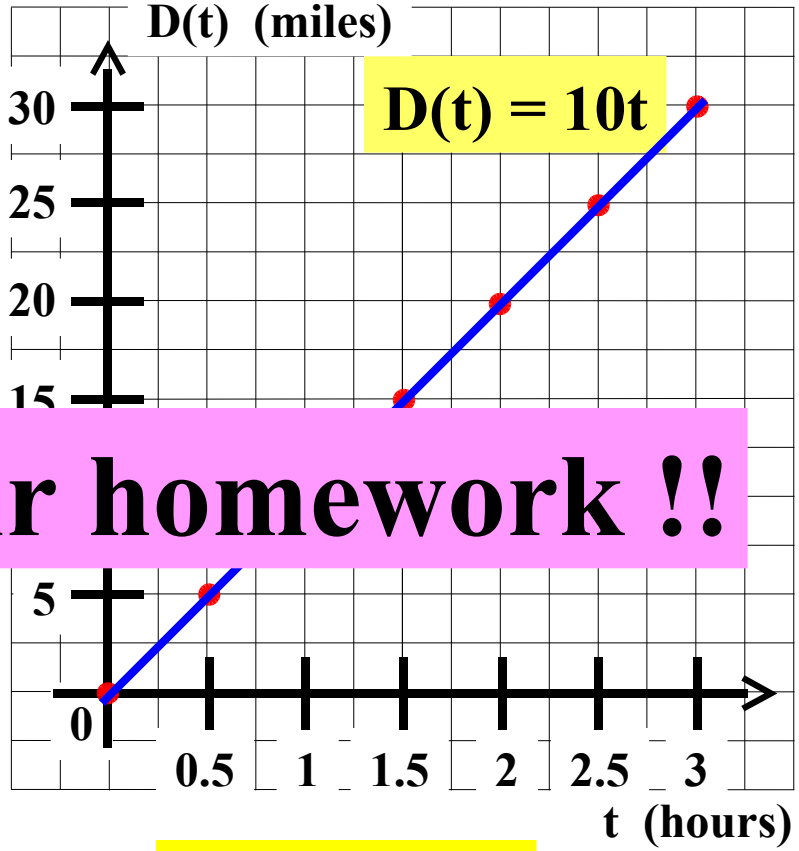

Good luck on your homework !!

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