

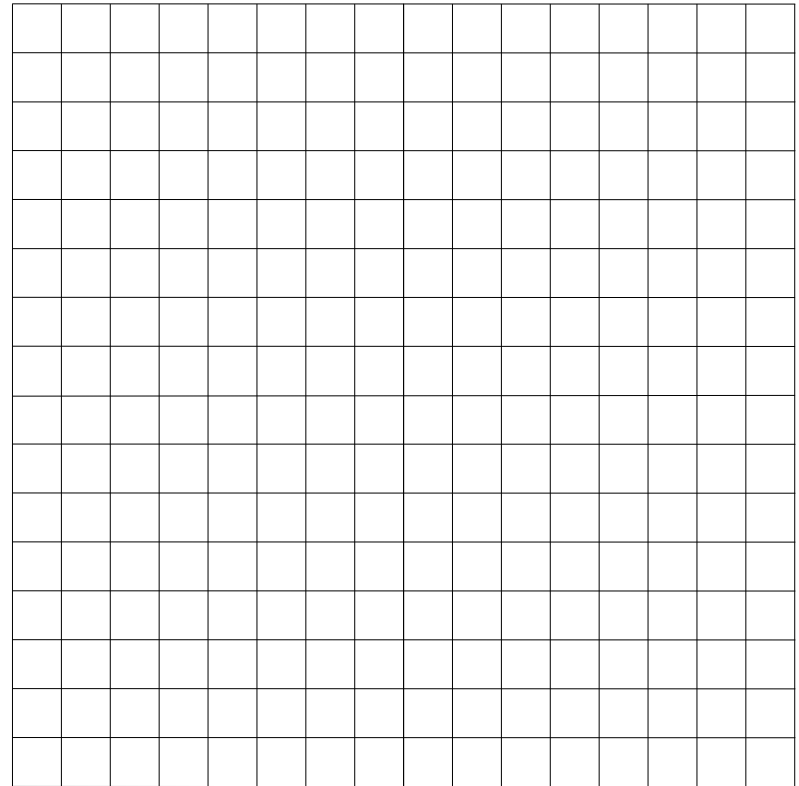
General Algebra II
Lesson #3 Unit 6
Class Worksheet #3
For Worksheet #4

General Algebra II CWS #3 Unit 6

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 $t = 120$.

2. Graph function d .

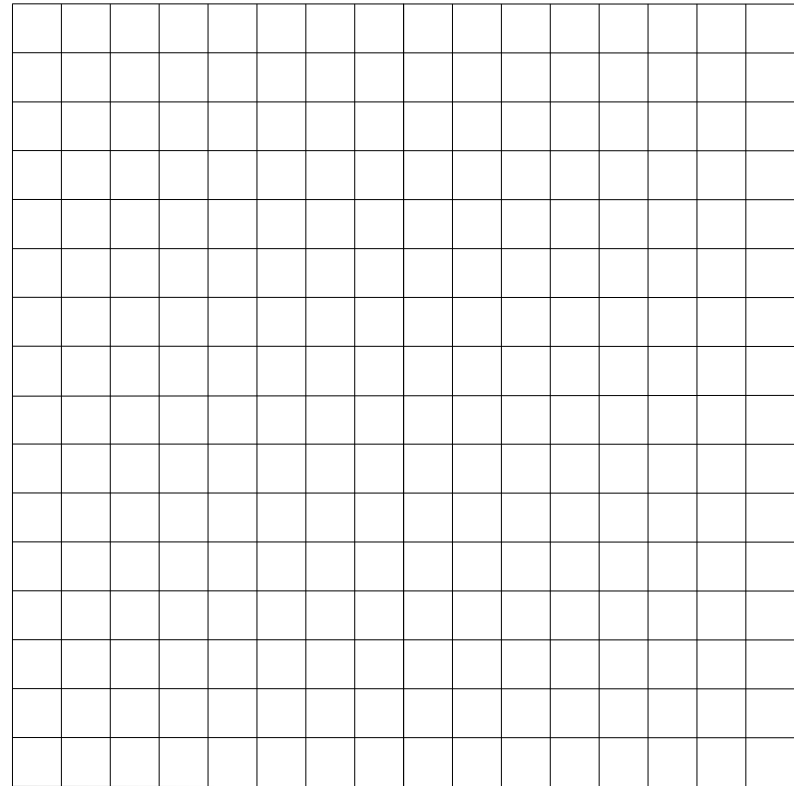


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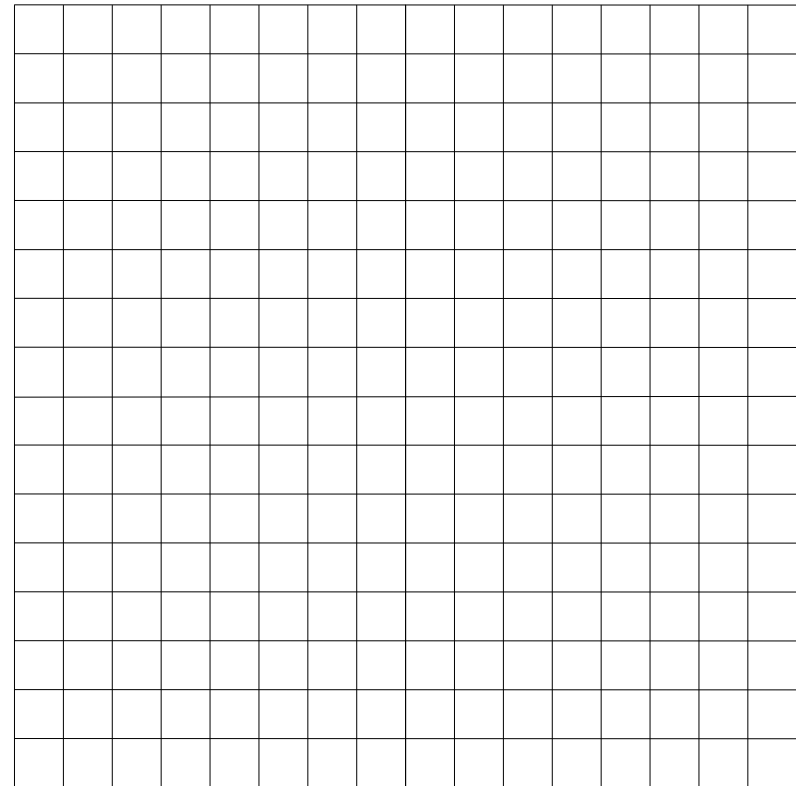
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t	$d(t)$
0	

2. Graph function d .



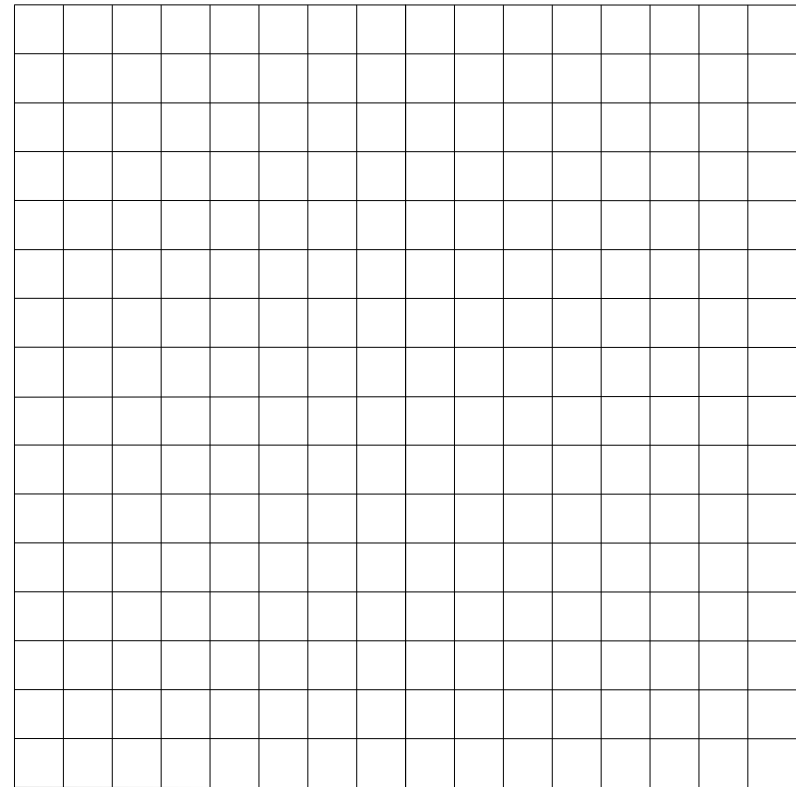
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t	$d(t)$
0	0

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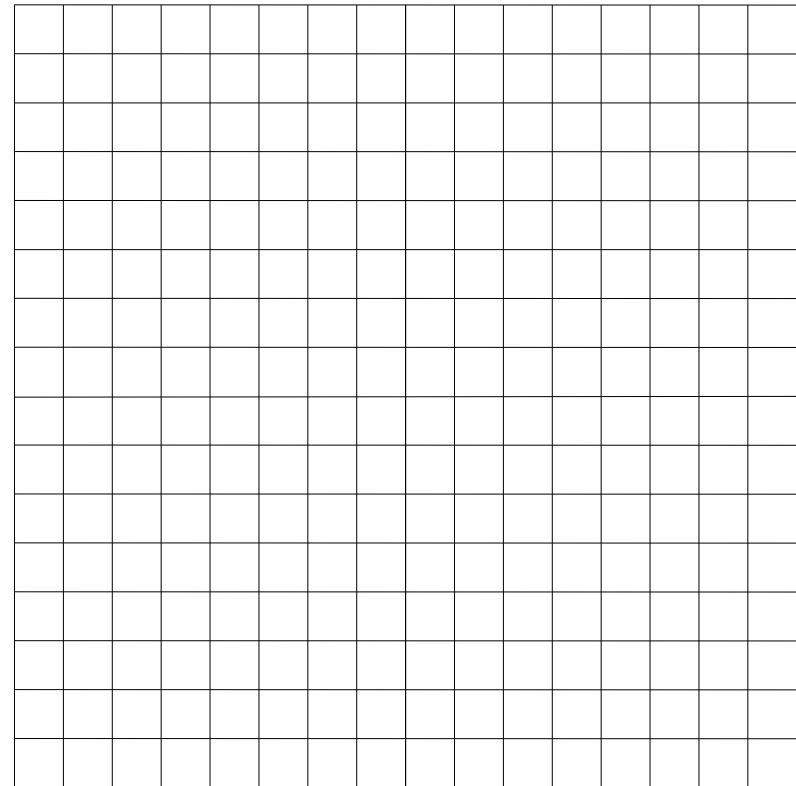
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t	$d(t)$
0	0
20	

2. Graph function d .



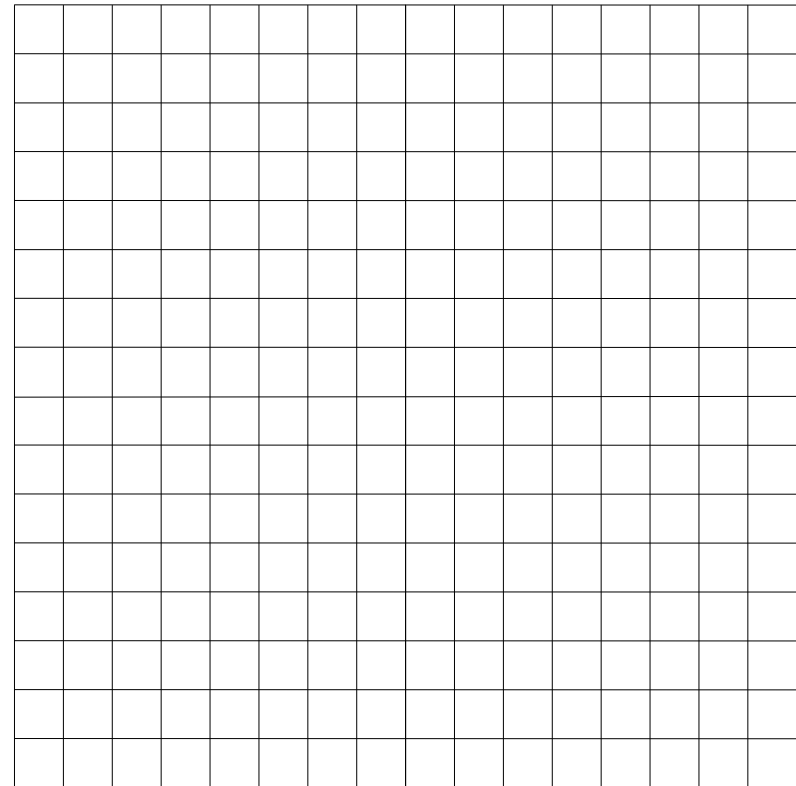
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t	$d(t)$
0	0
20	60

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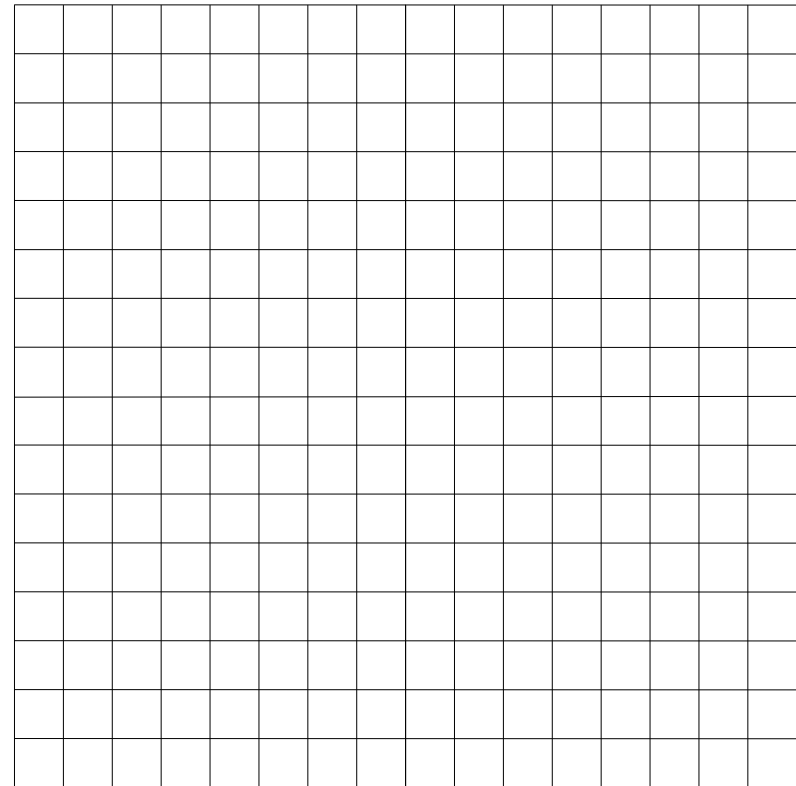
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t	$d(t)$
0	0
20	60
40	

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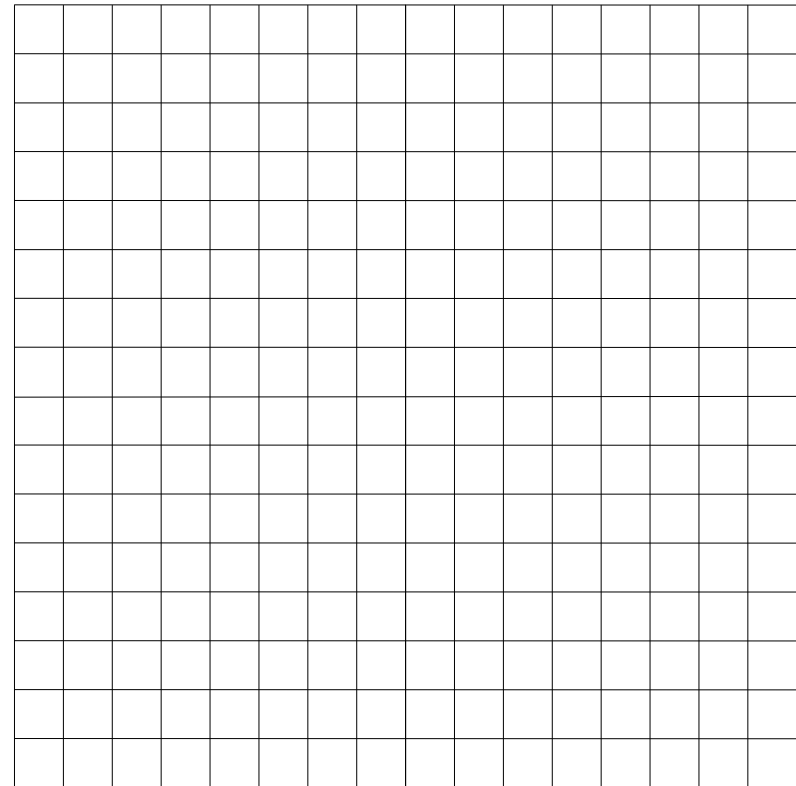
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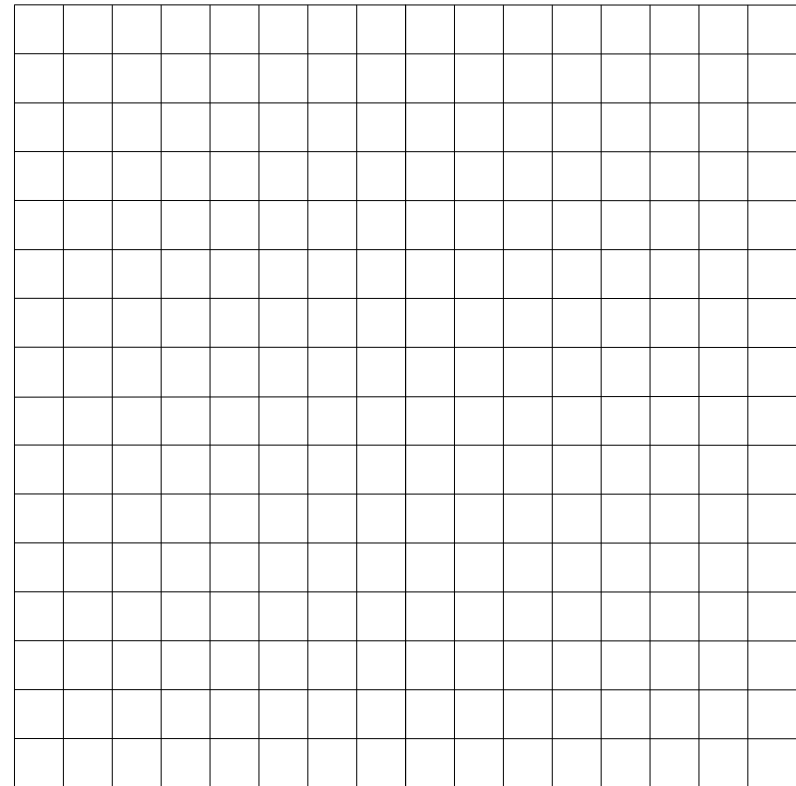
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0	0
20	60
40	120
60	

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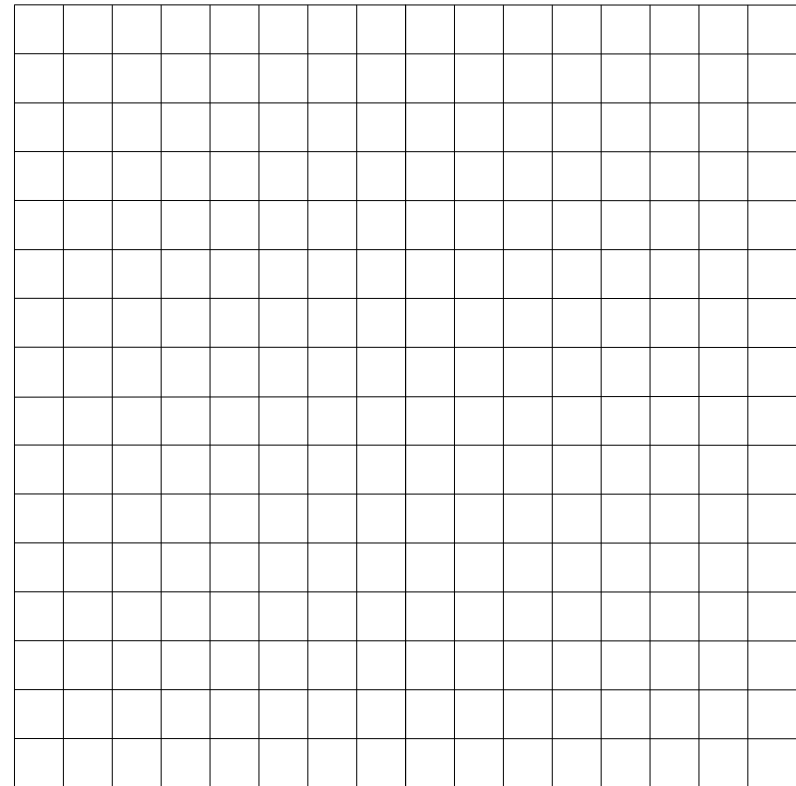
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0	0
20	60
40	120
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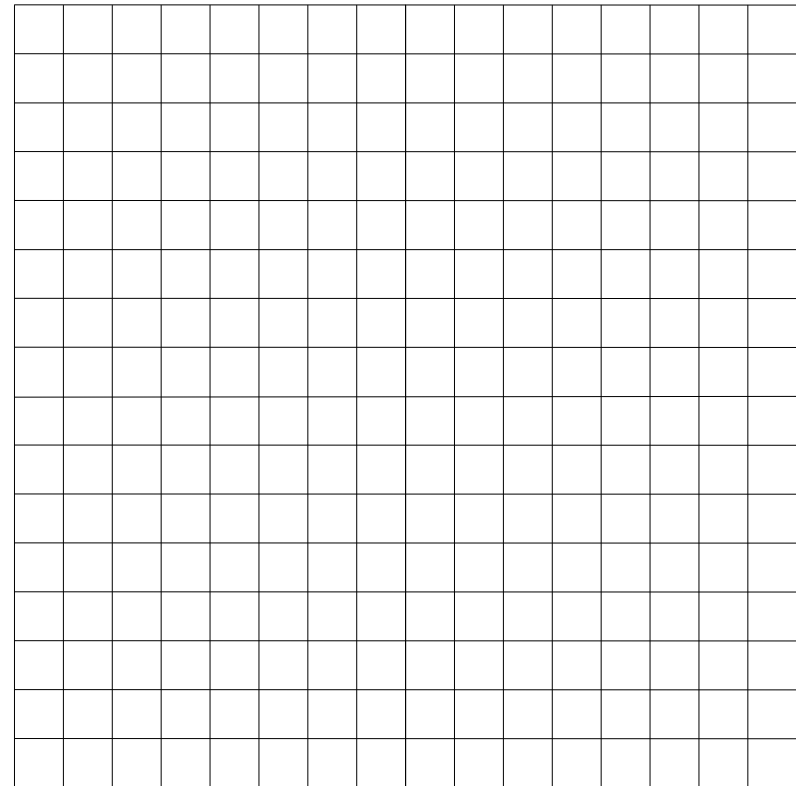
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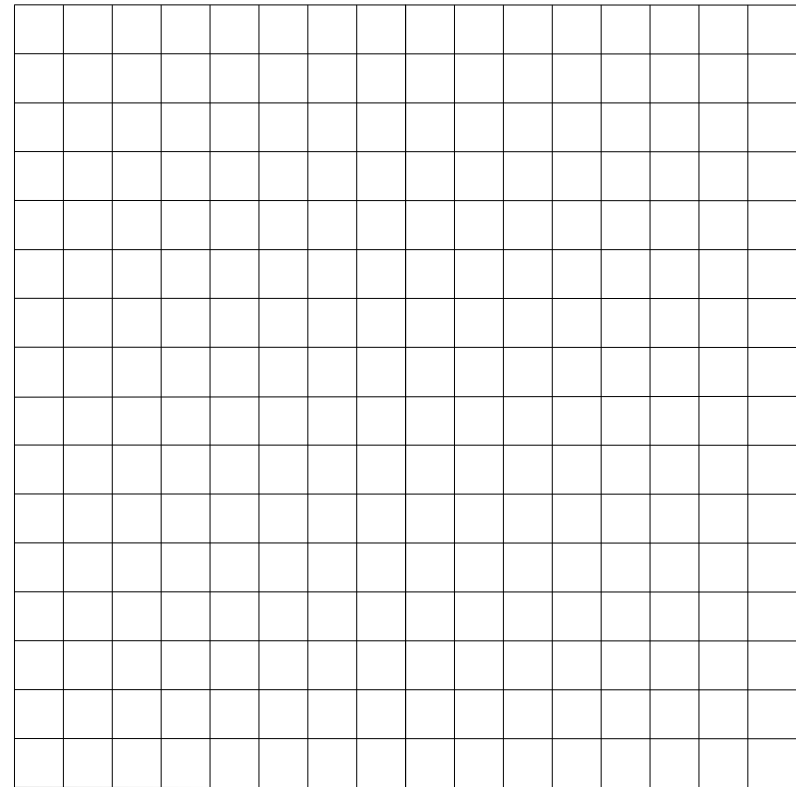
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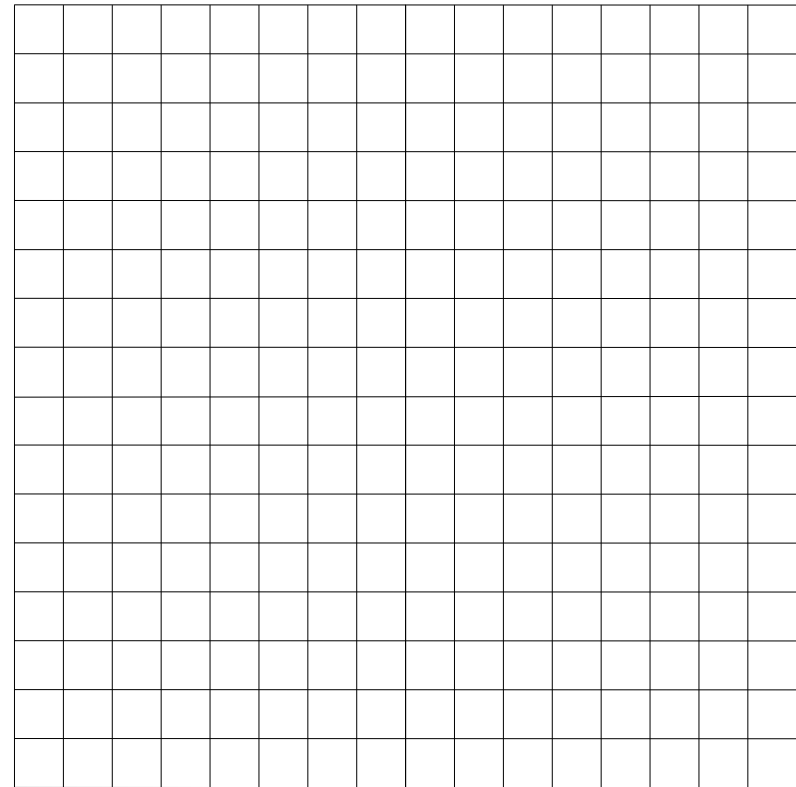
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100	

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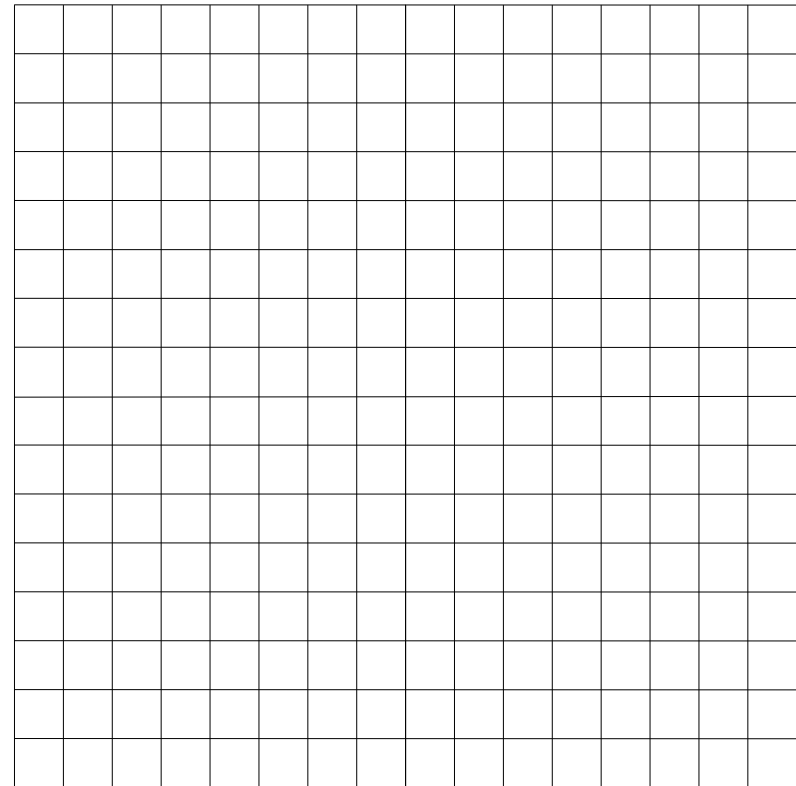
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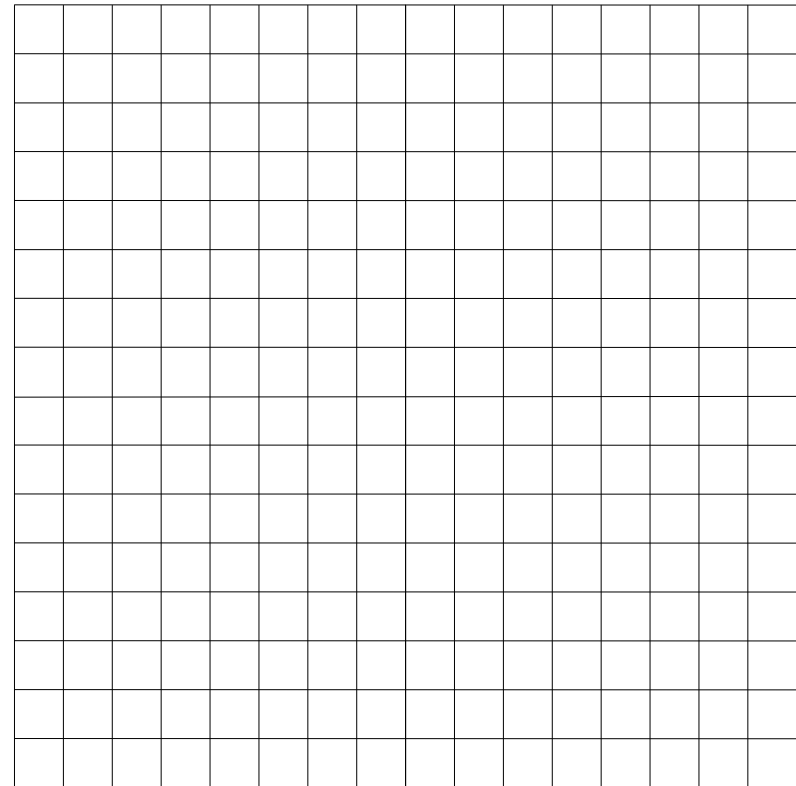
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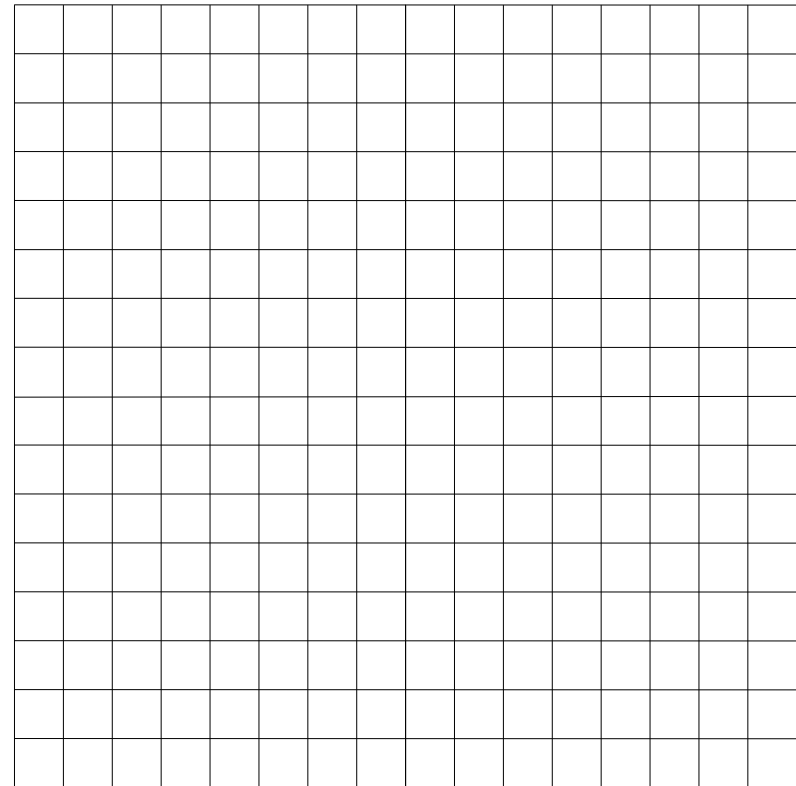
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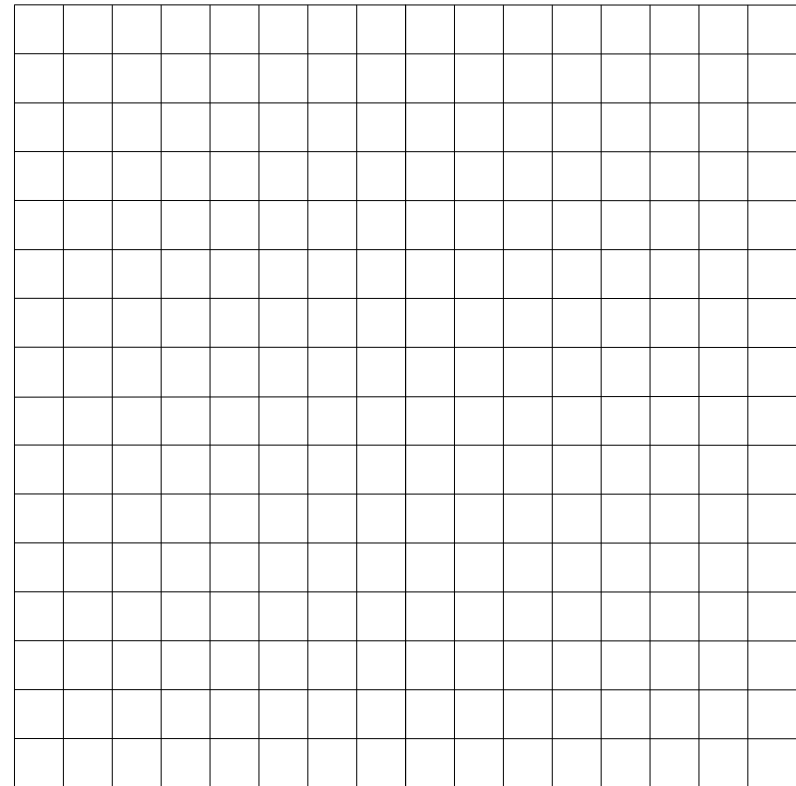
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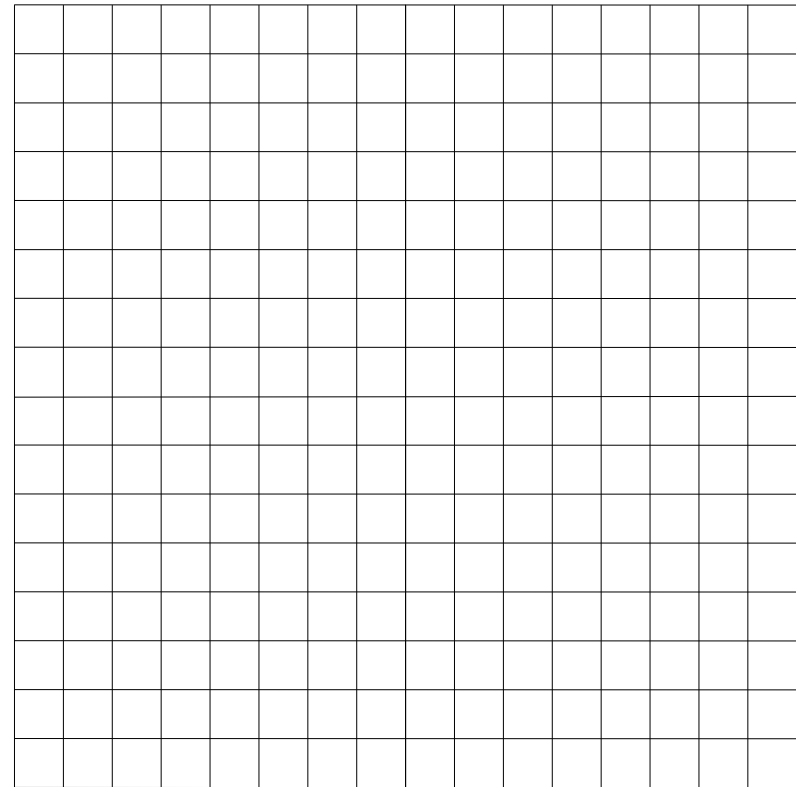
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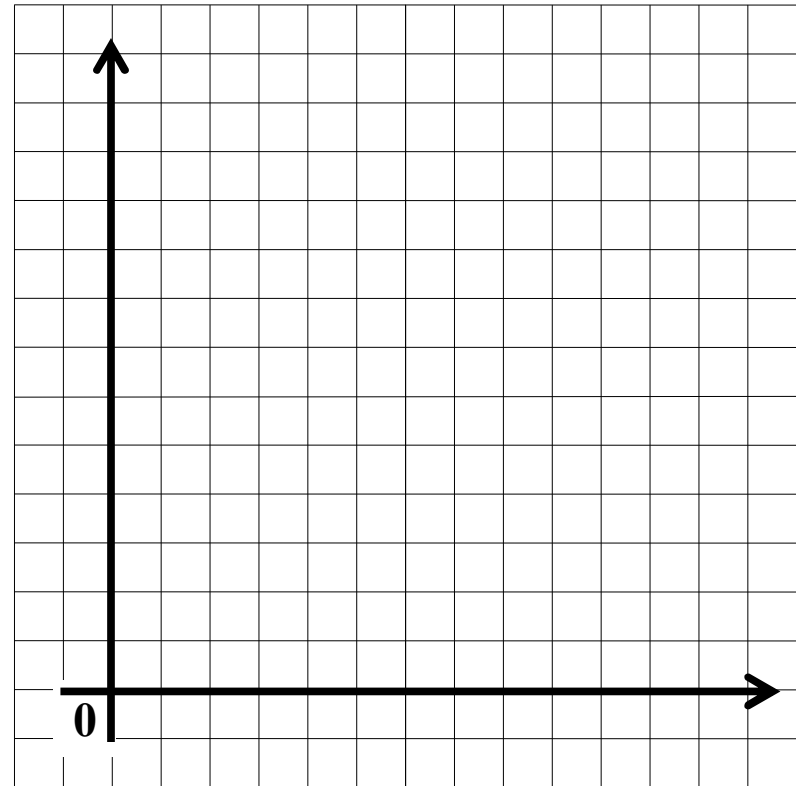
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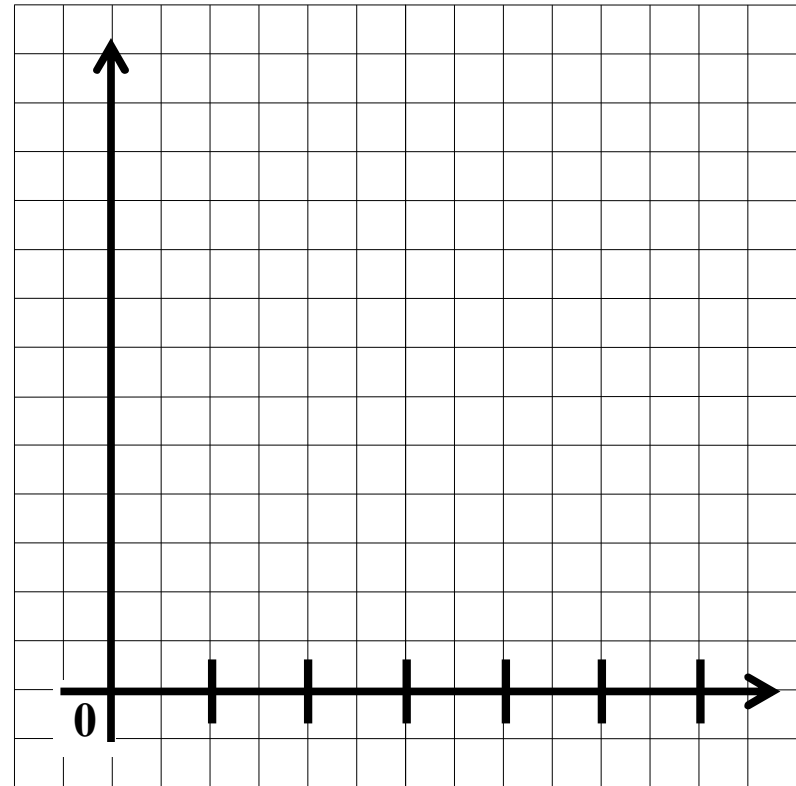
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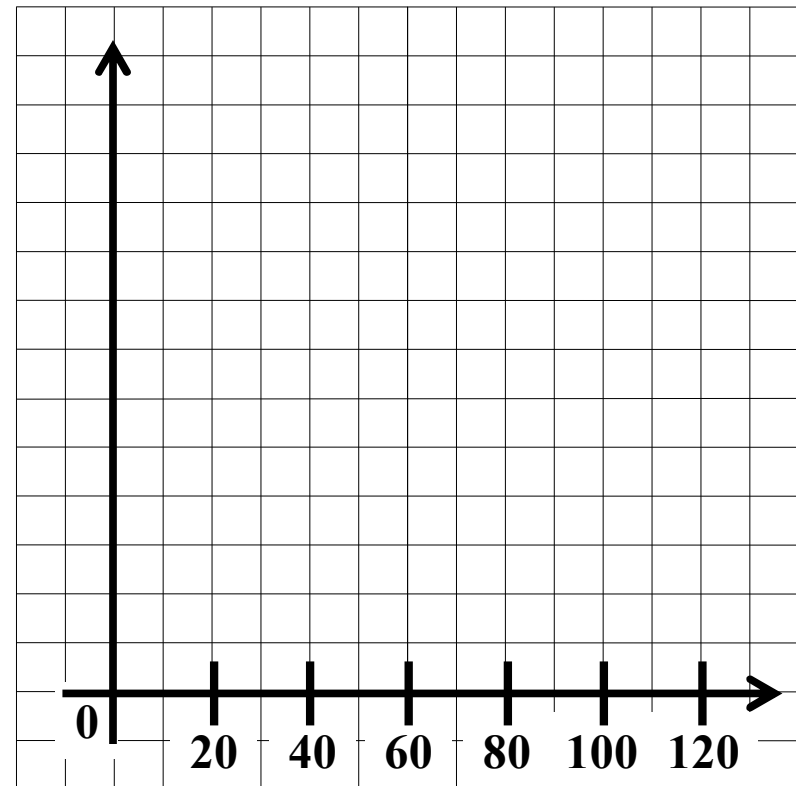
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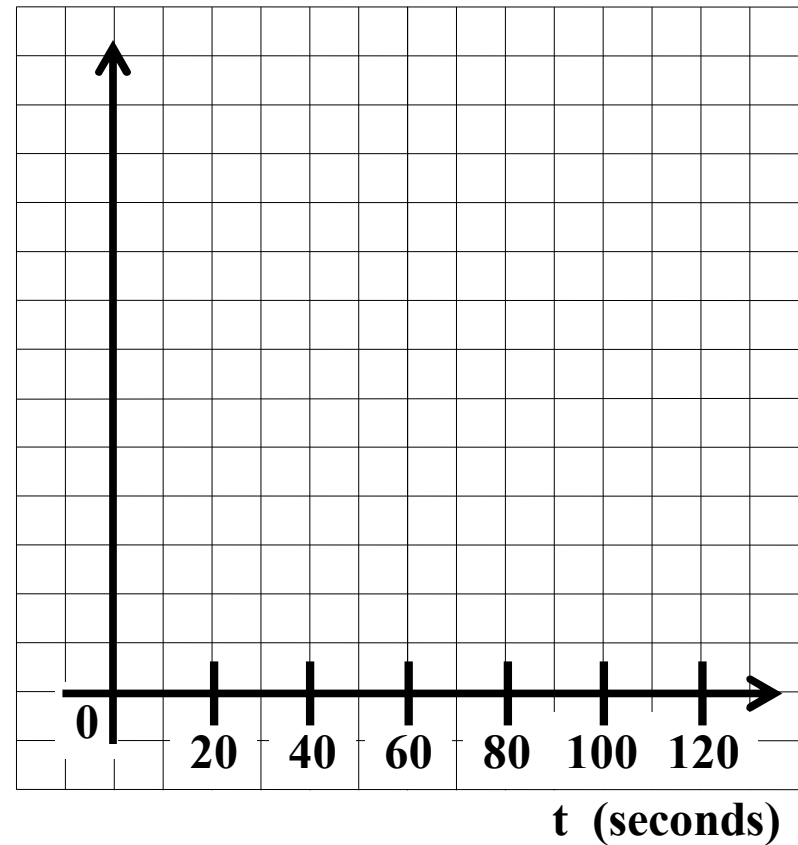
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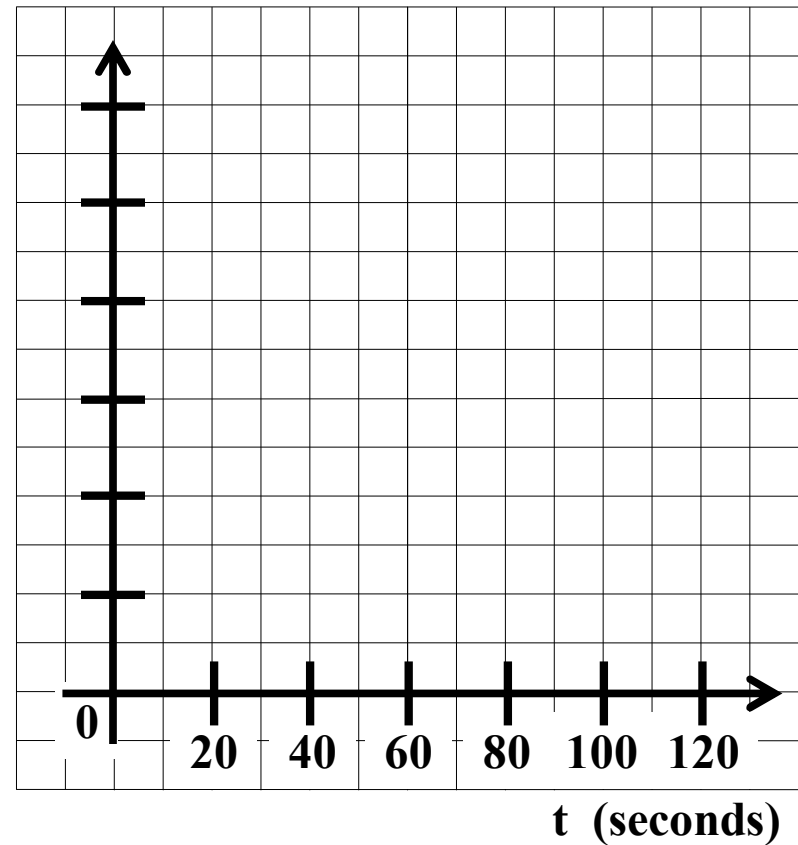
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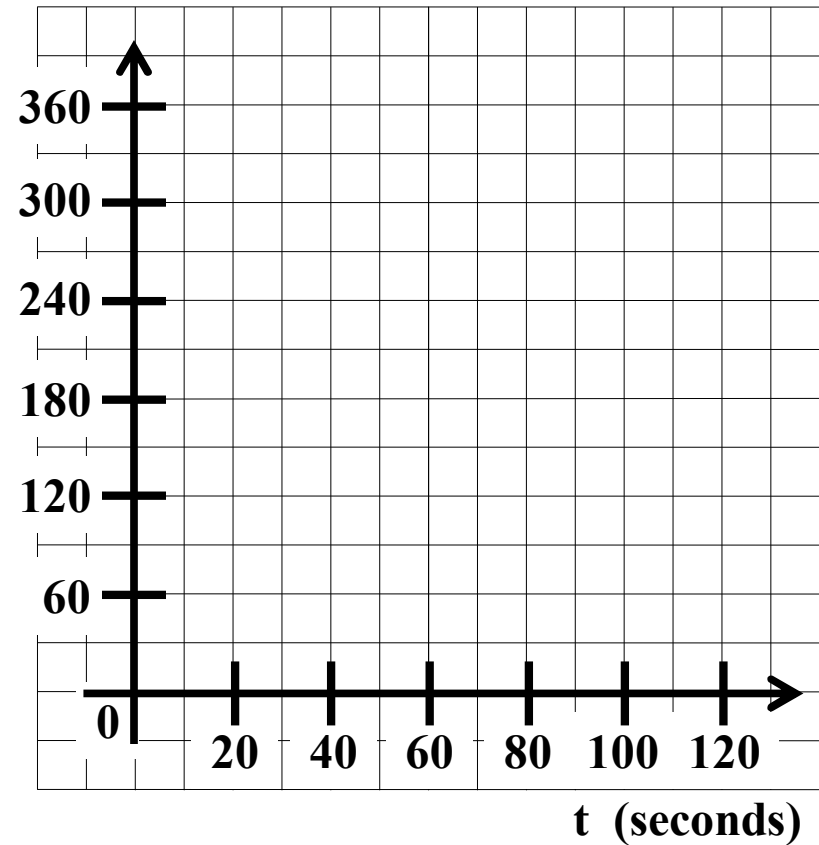
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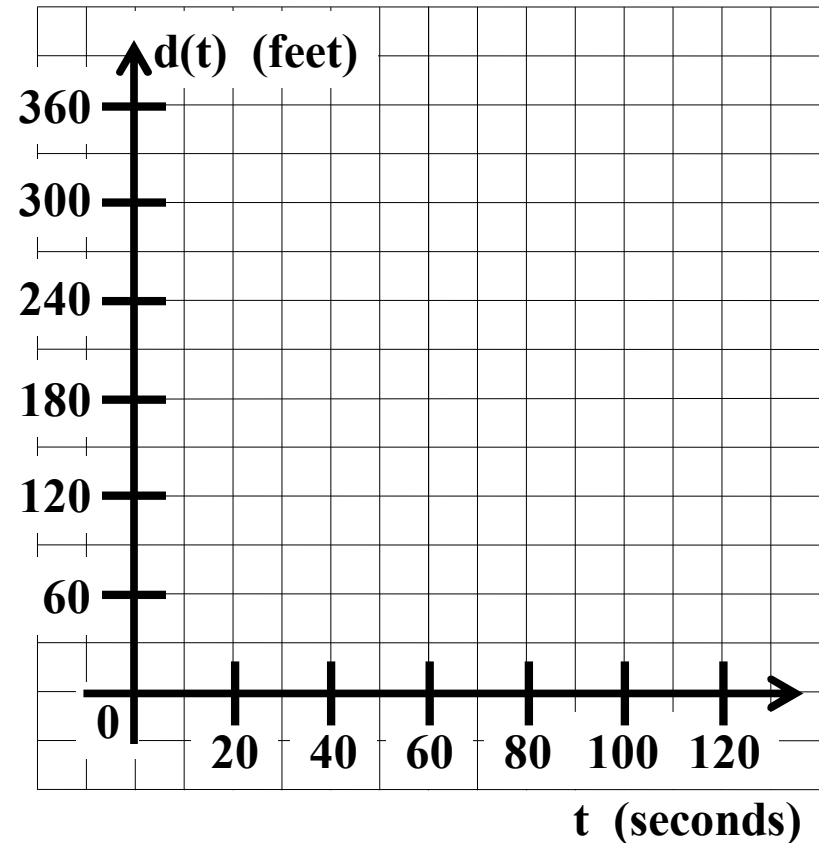
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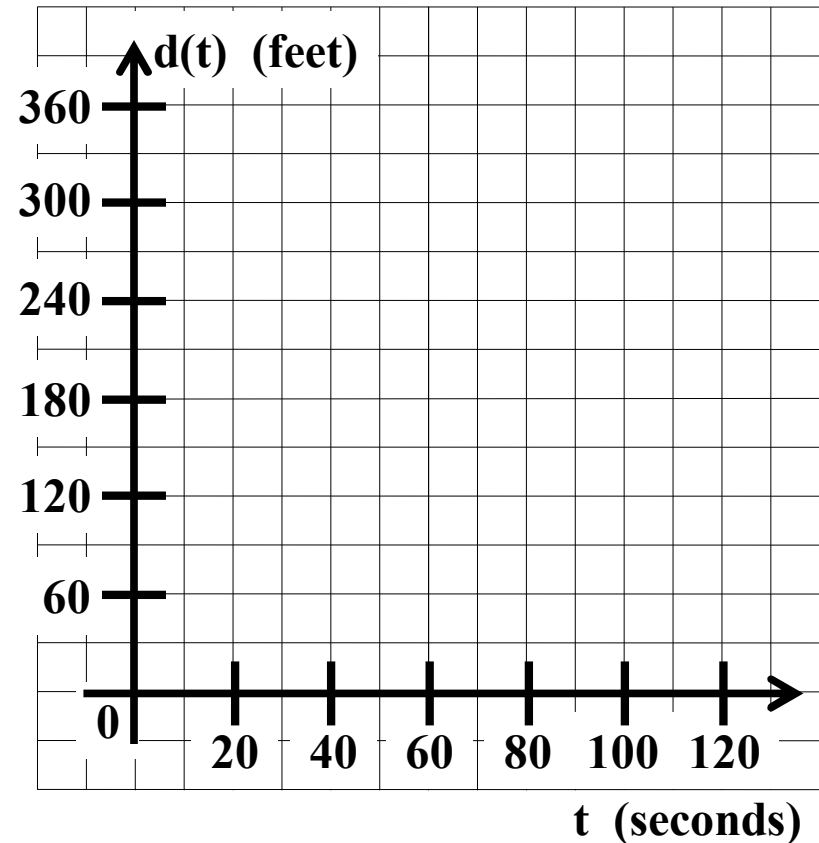
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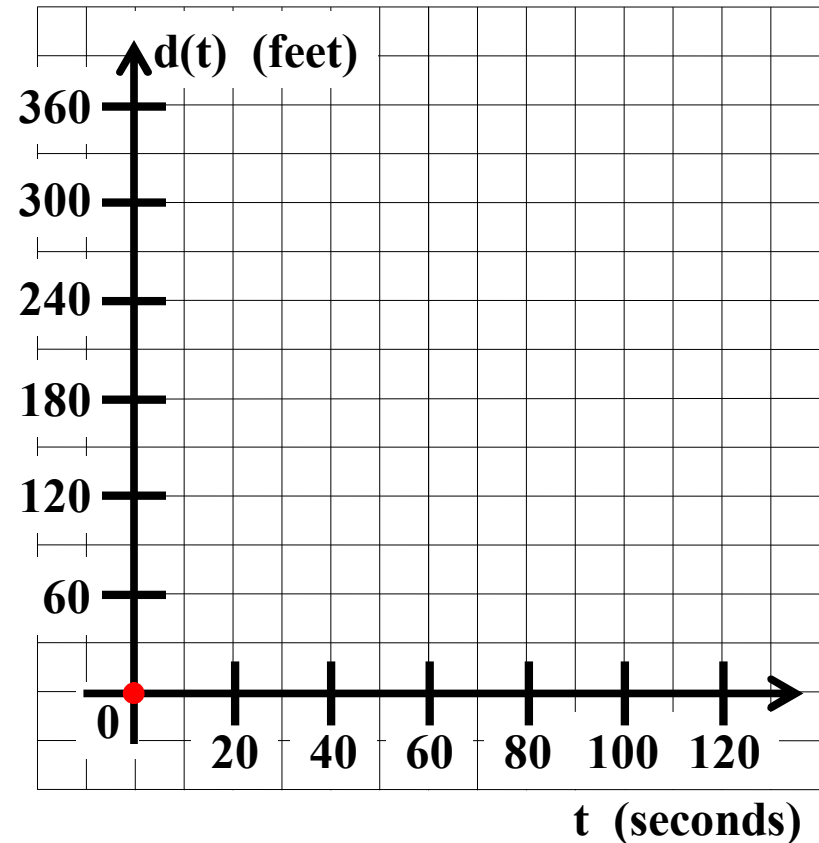
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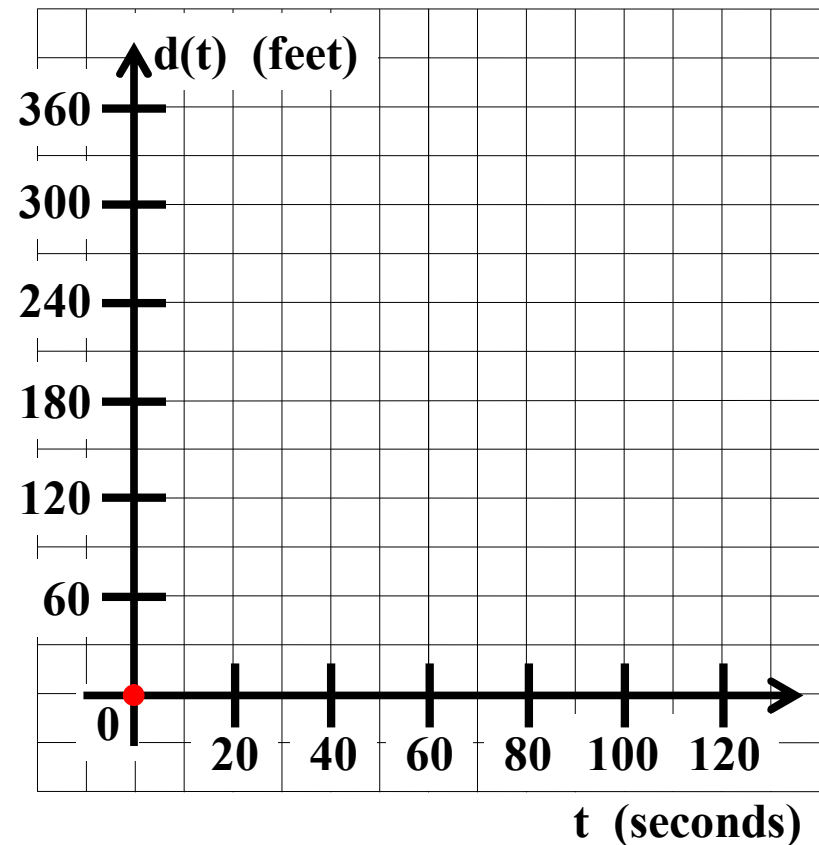
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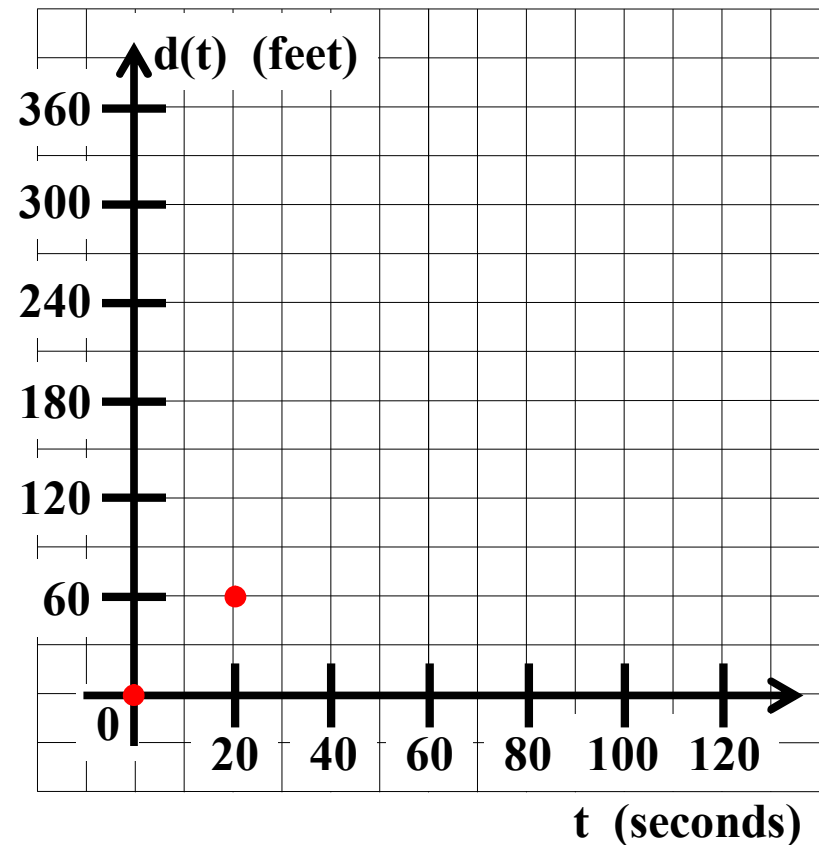
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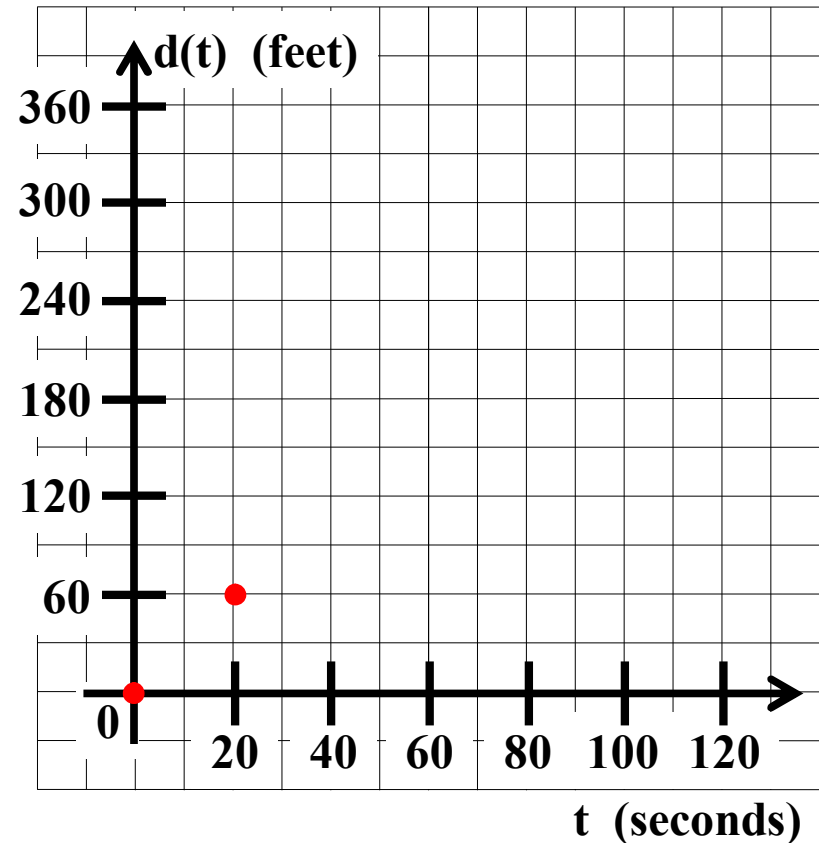
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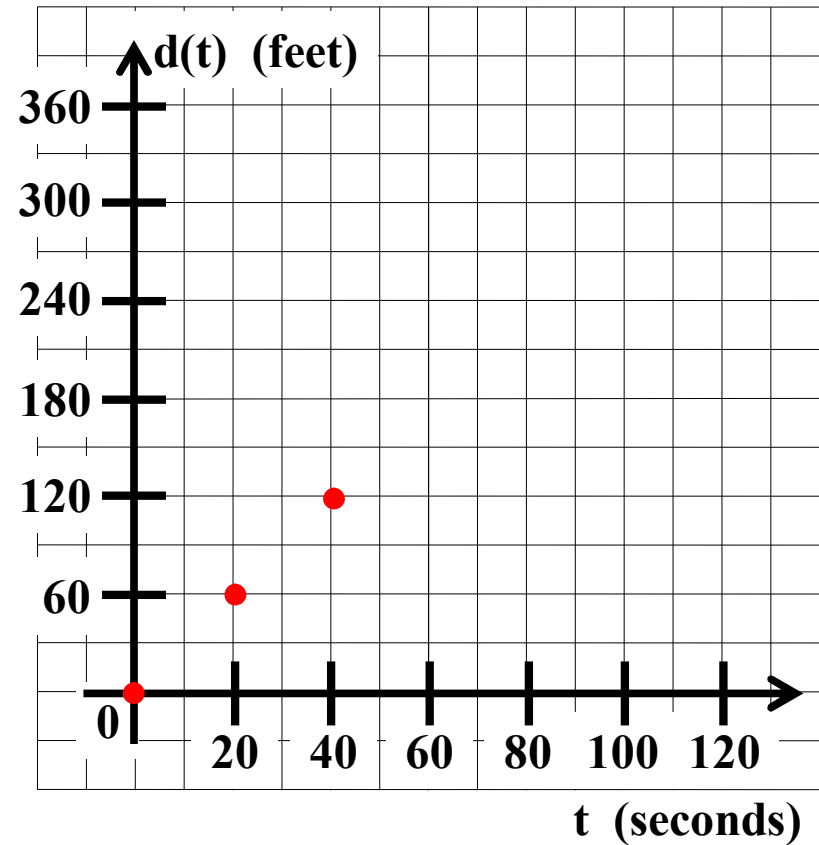
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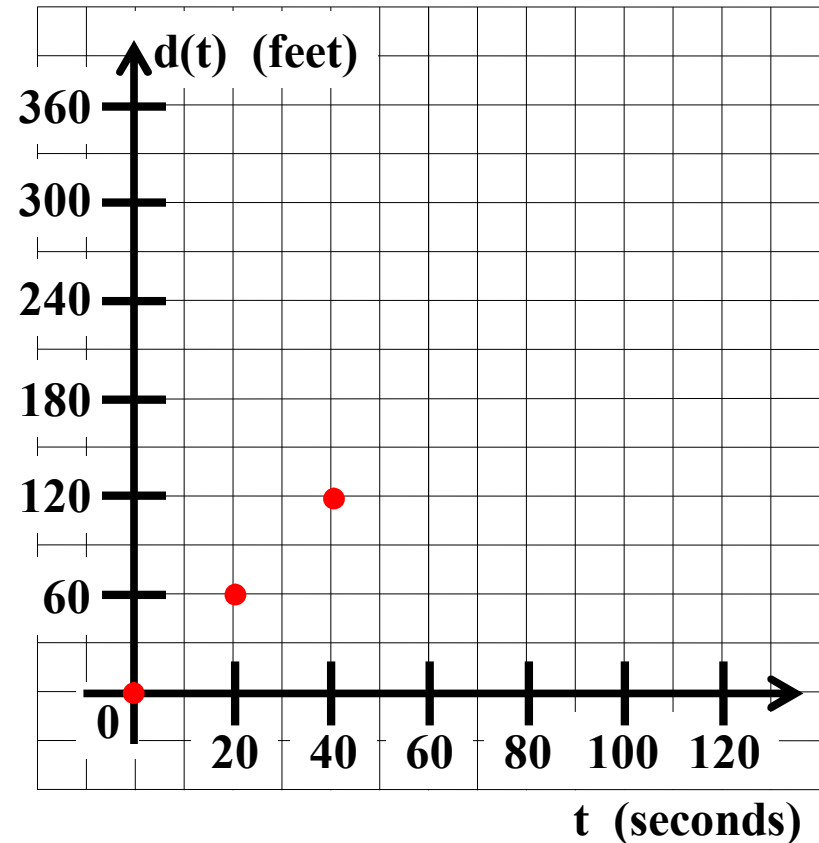
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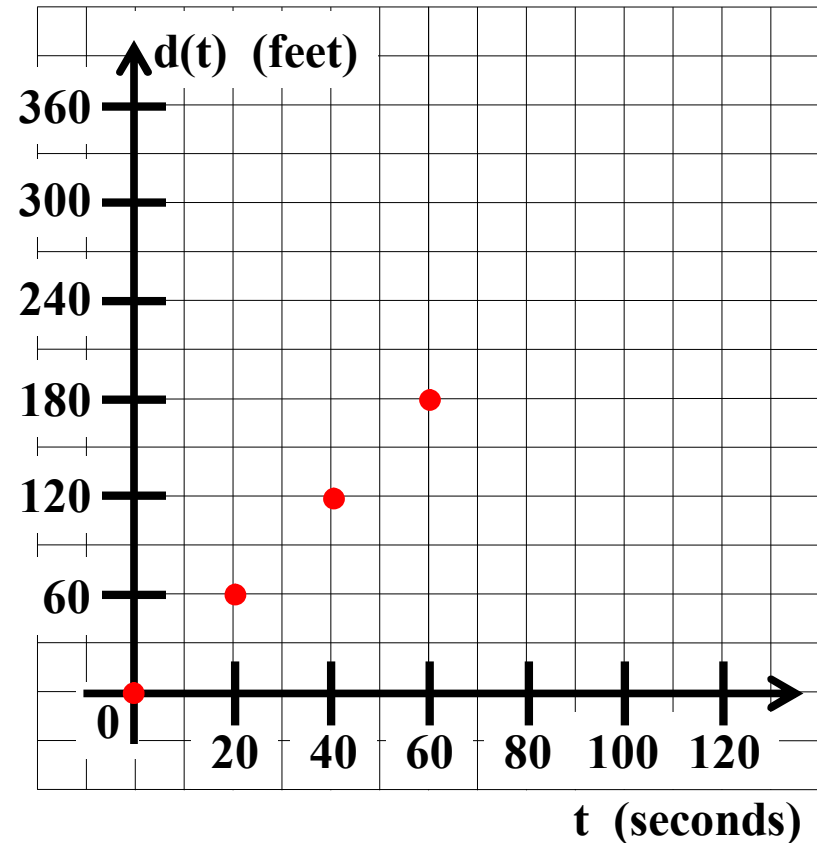
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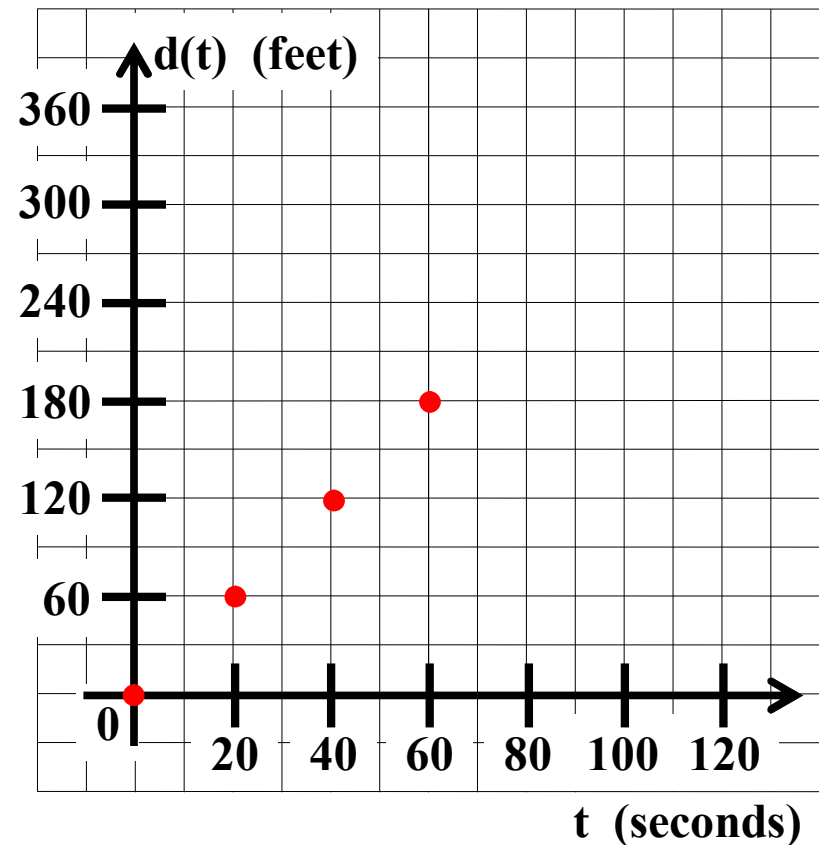
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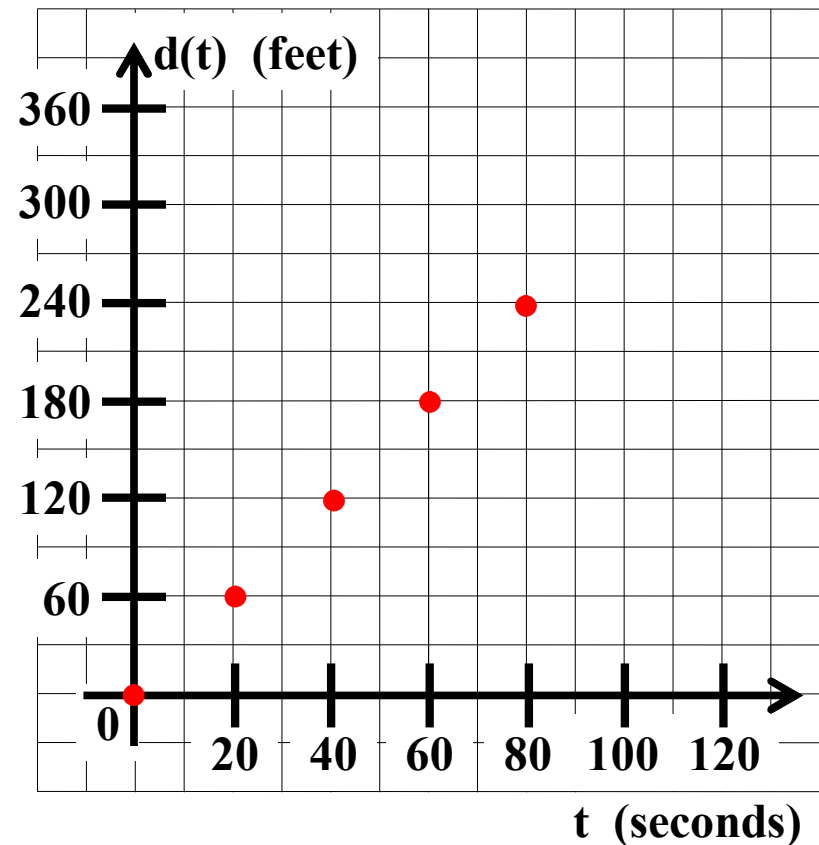
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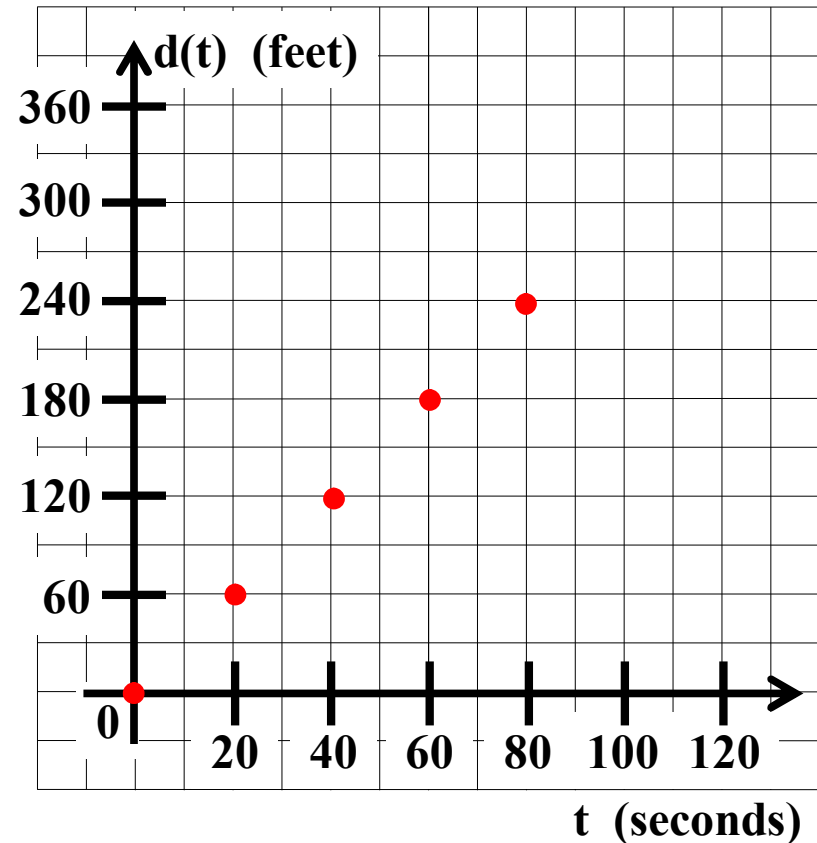
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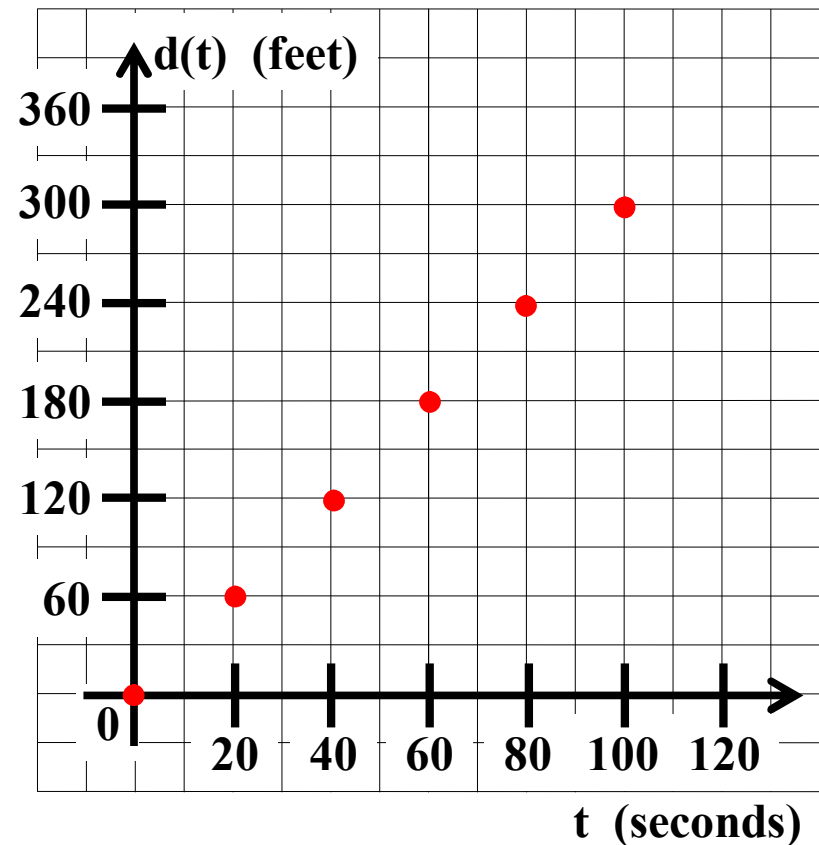
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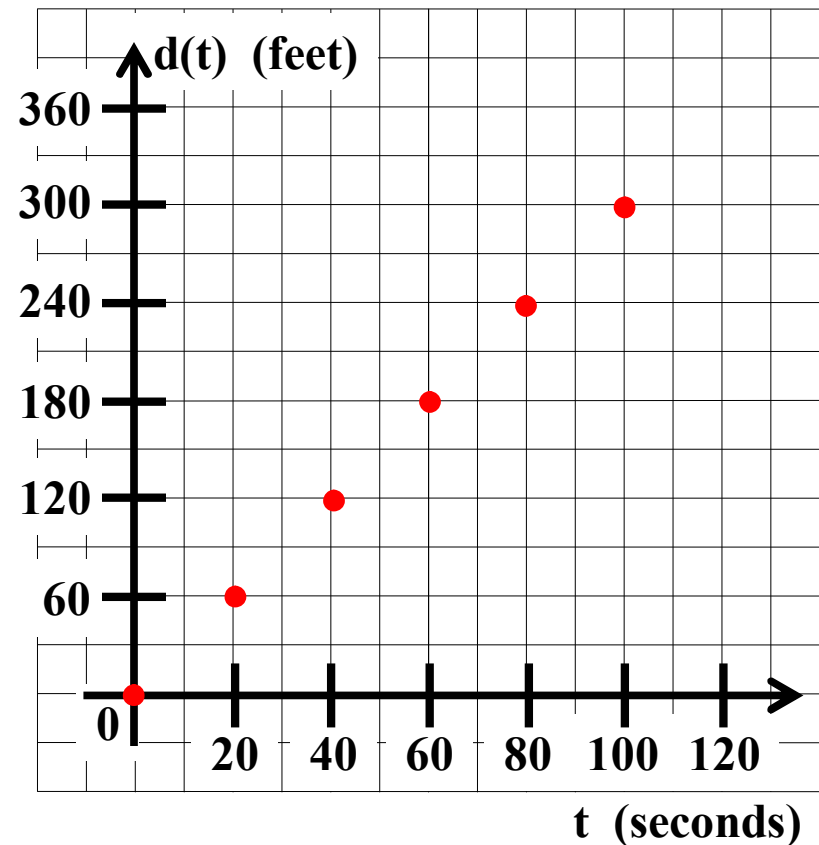
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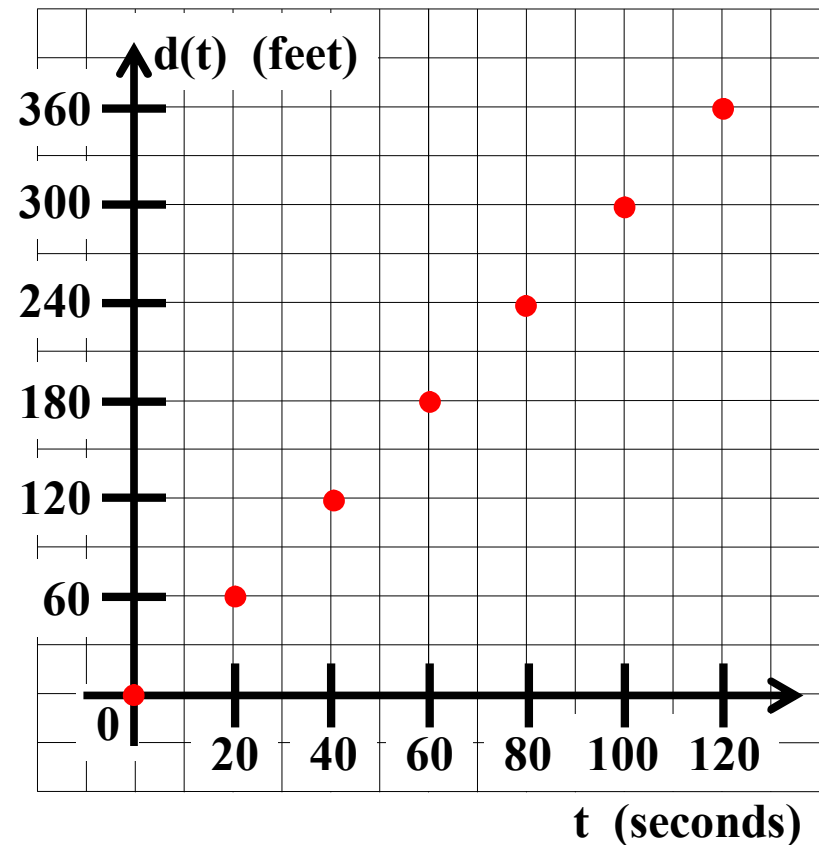
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t	$d(t)$
0	0
20	60
40	120
60	180
80	240
100	300
120	360

2. Graph function d .



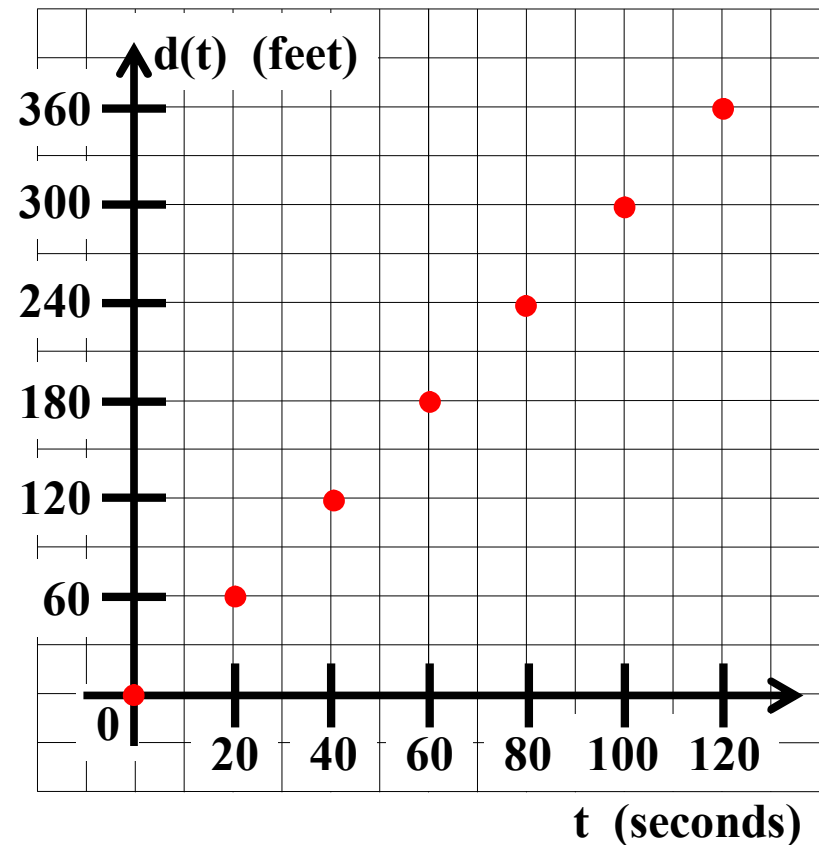
General Algebra II CWS #3 Unit 6

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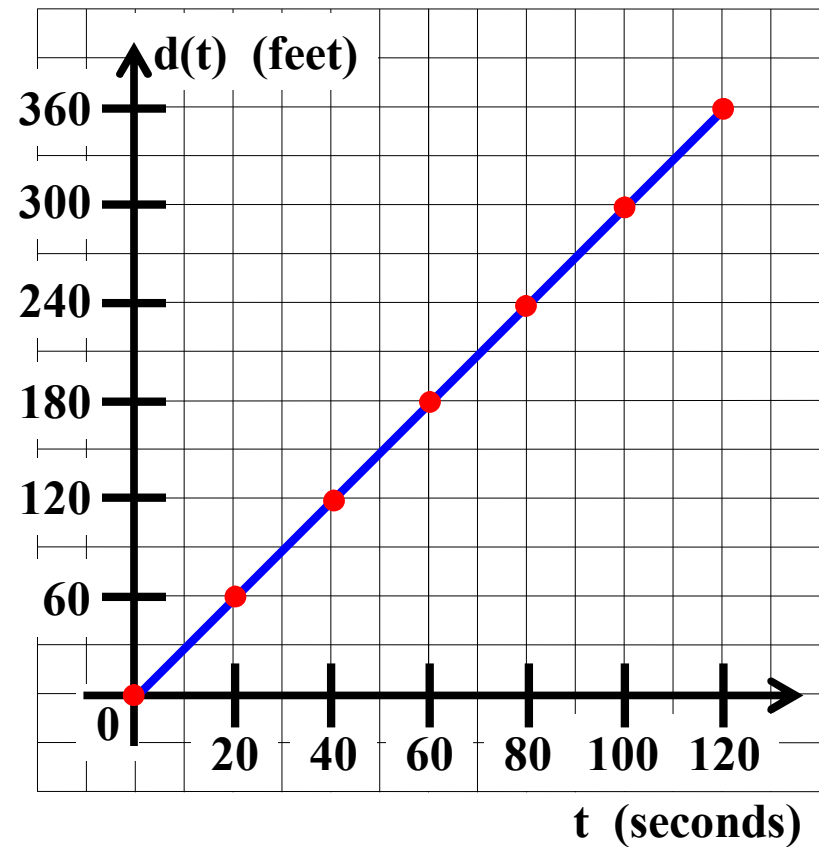
General Algebra II CWS #3 Unit 6

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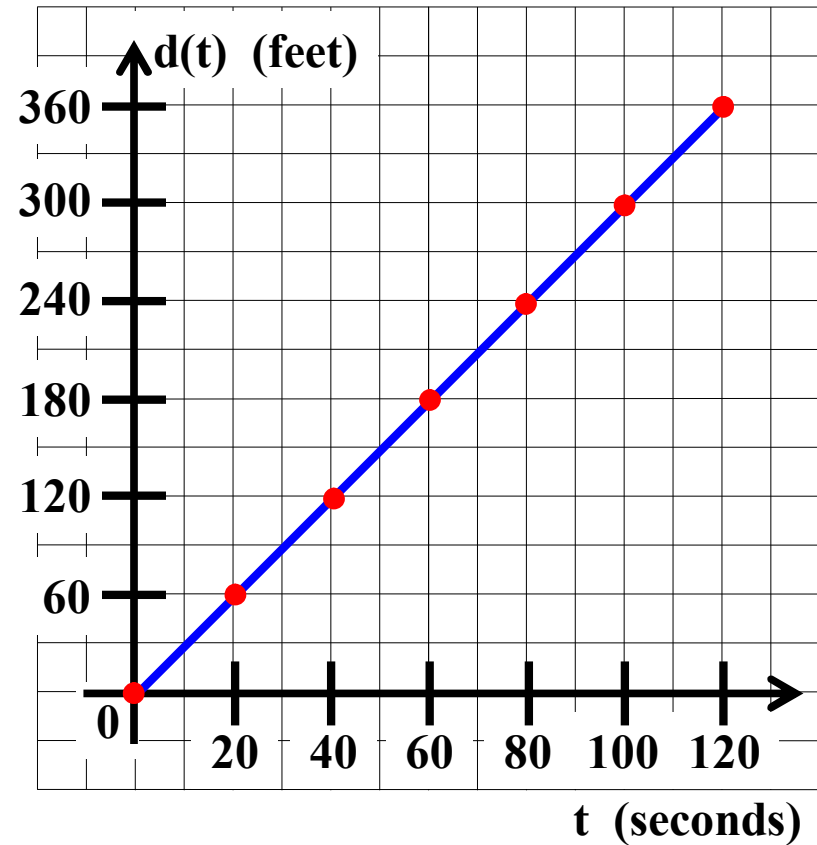
General Algebra II CWS #3 Unit 6

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40	120
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80	240
100	300
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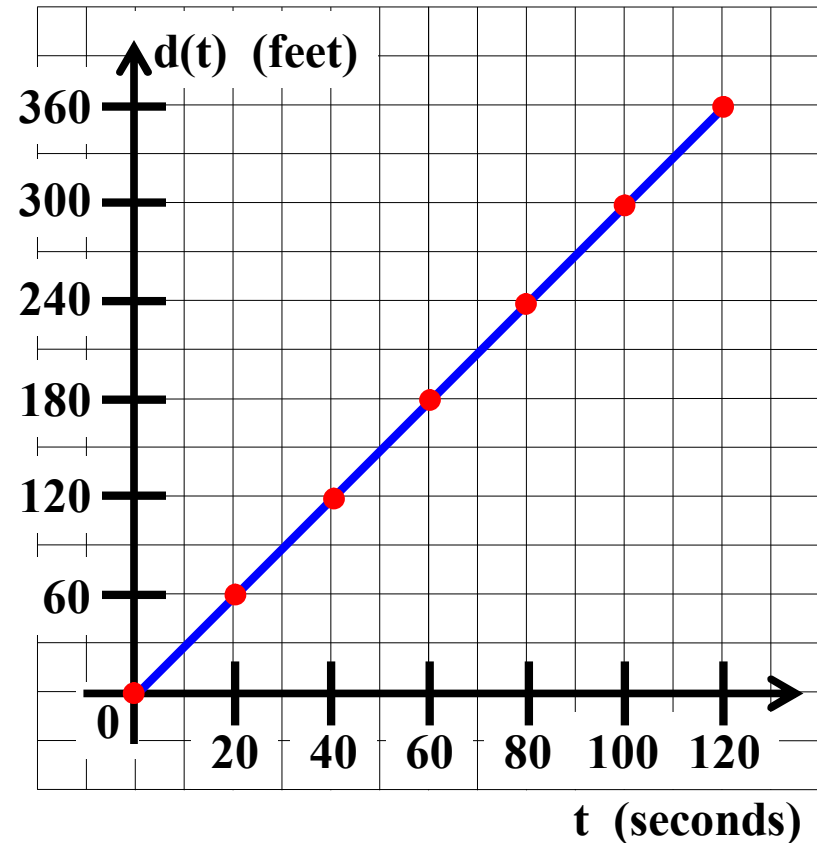
General Algebra II CWS #3 Unit 6

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

2. Graph function d .



3. Write an equation giving $d(t)$ in terms of t .

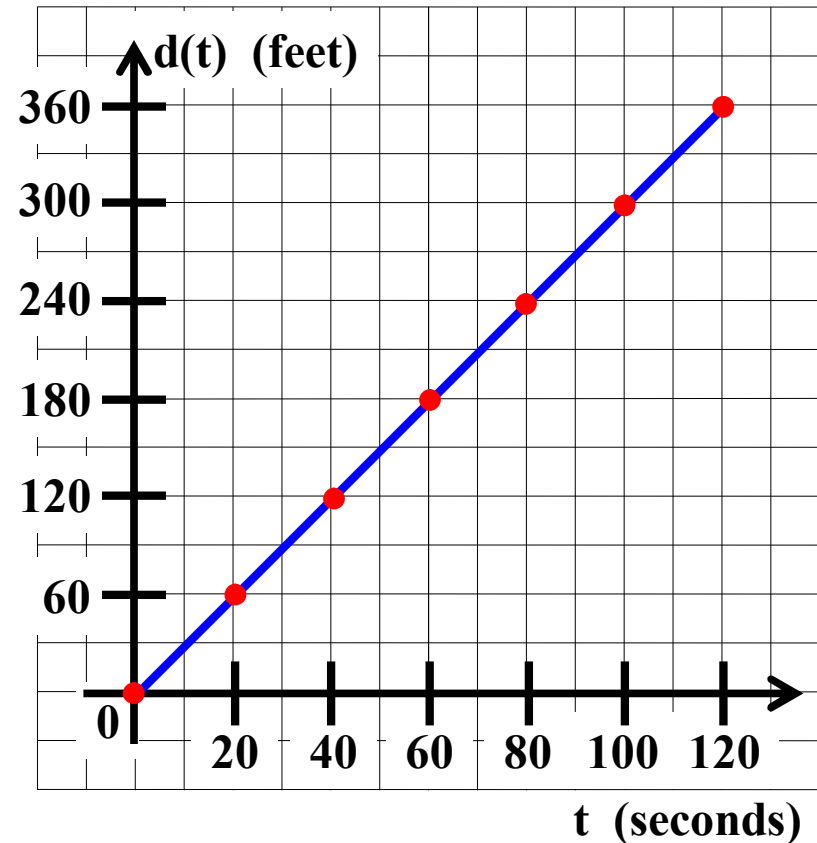
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80	240
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2. Graph function d .



3. Write an equation giving $d(t)$ in terms of t .

$$d(t) =$$

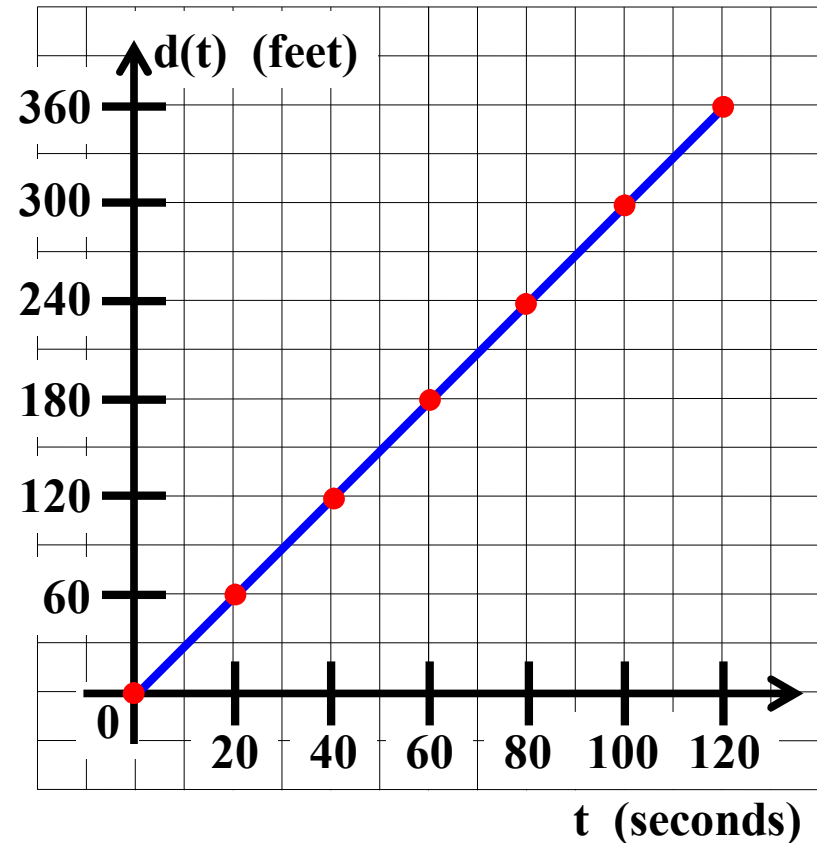
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60	180
80	240
100	300
120	360

2. Graph function d .



3. Write an equation giving $d(t)$ in terms of t .

$$d(t) = 3t$$

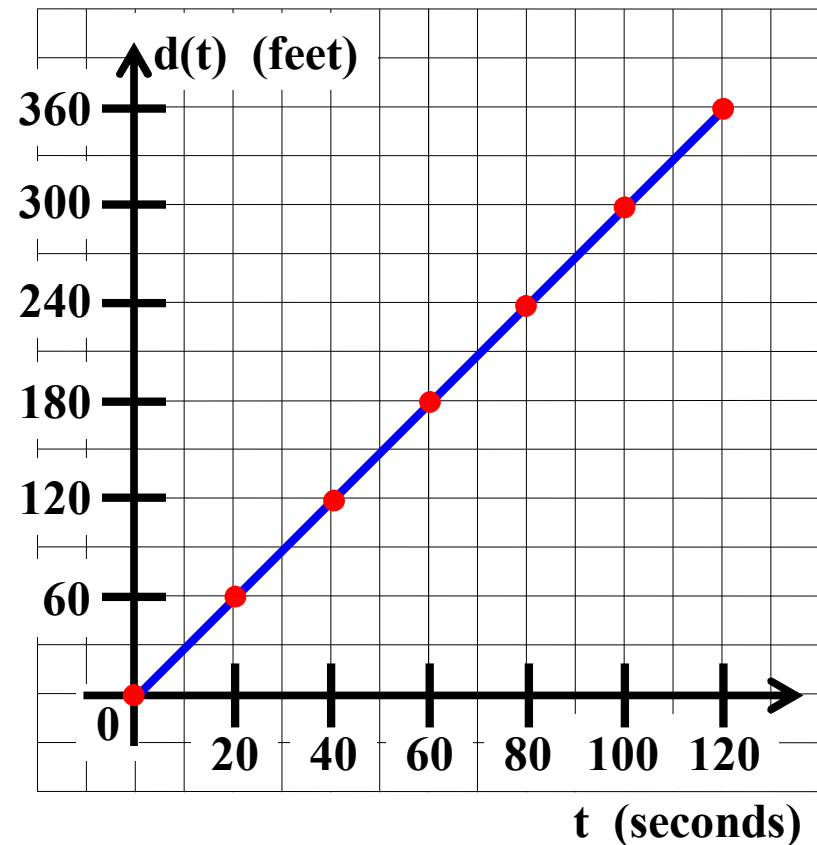
General Algebra II CWS #3 Unit 6

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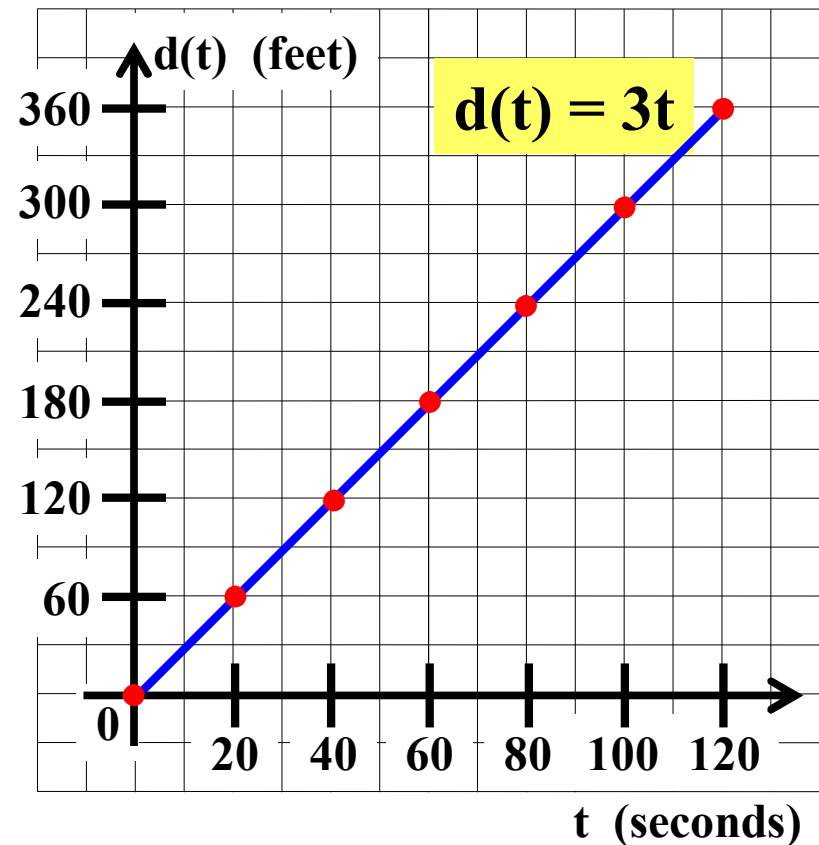
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40	120
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80	240
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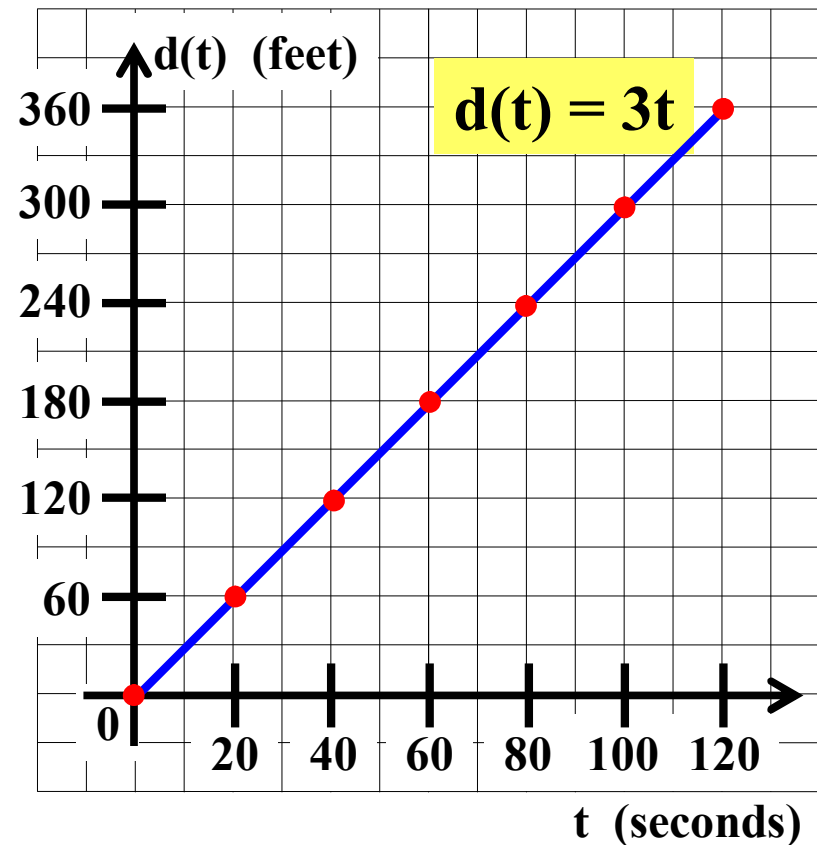
General Algebra II CWS #3 Unit 6

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

2. Graph function d .



What is the domain of function d ?

General Algebra II CWS #3 Unit 6

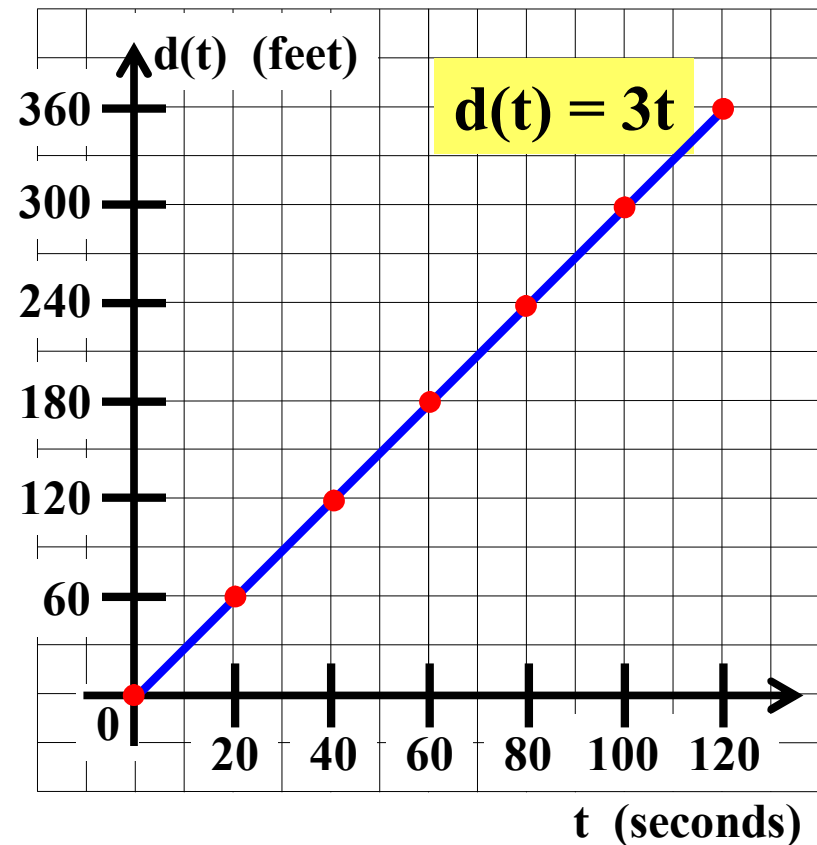
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40	120
60	180
80	240
100	300
120	360

domain

2. Graph function d .



What is the domain of function d ?

General Algebra II CWS #3 Unit 6

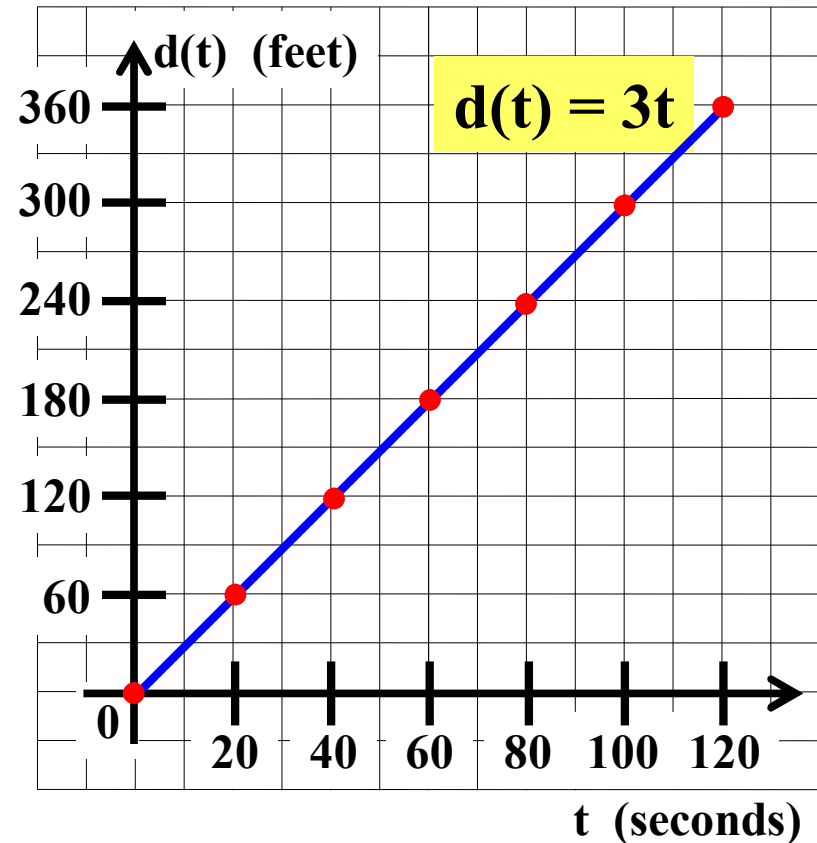
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20	60
40	120
60	180
80	240
100	300
120	360

domain

2. Graph function d .



What is the domain of function d ?

[

General Algebra II CWS #3 Unit 6

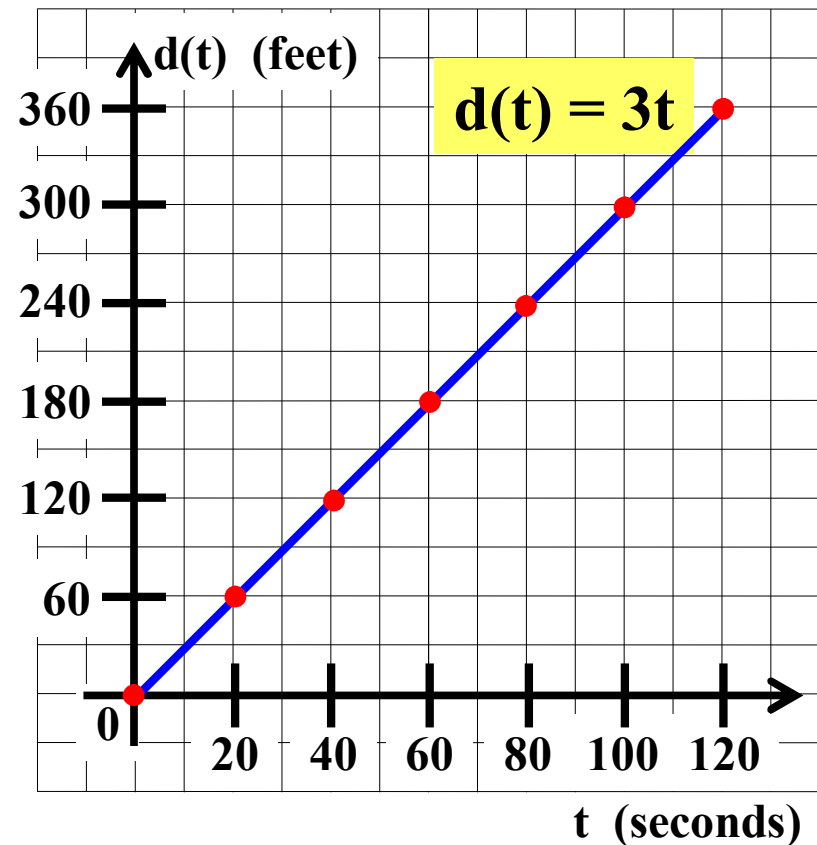
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100	300
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domain

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What is the domain of function d ?

[0

General Algebra II CWS #3 Unit 6

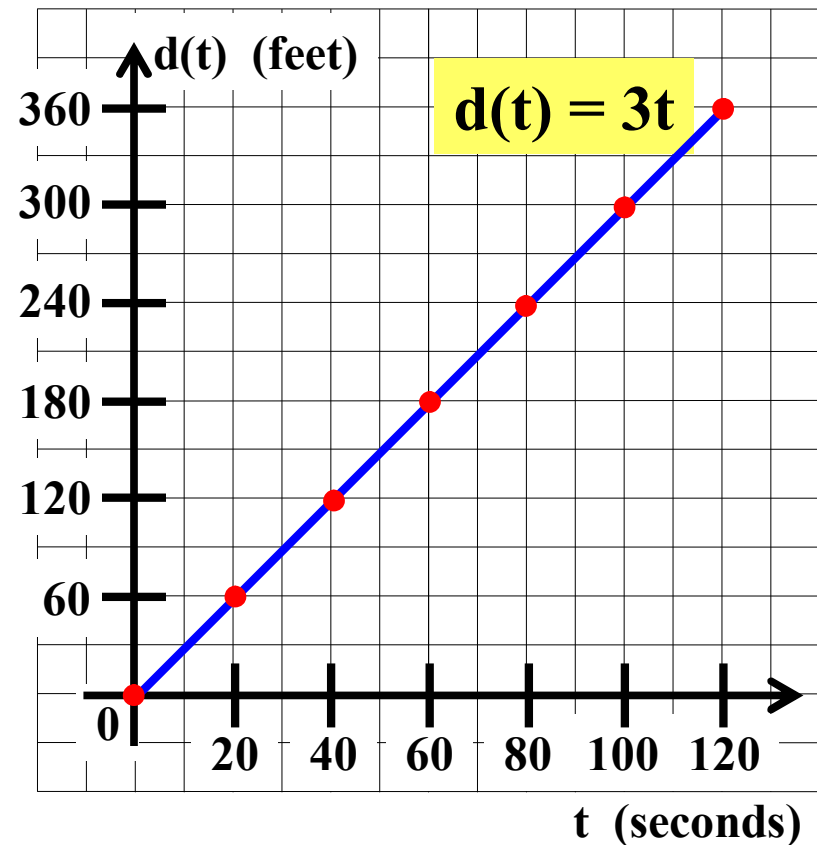
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60	180
80	240
100	300
120	360

domain

2. Graph function d .



What is the domain of function d ?

[0 ,

General Algebra II CWS #3 Unit 6

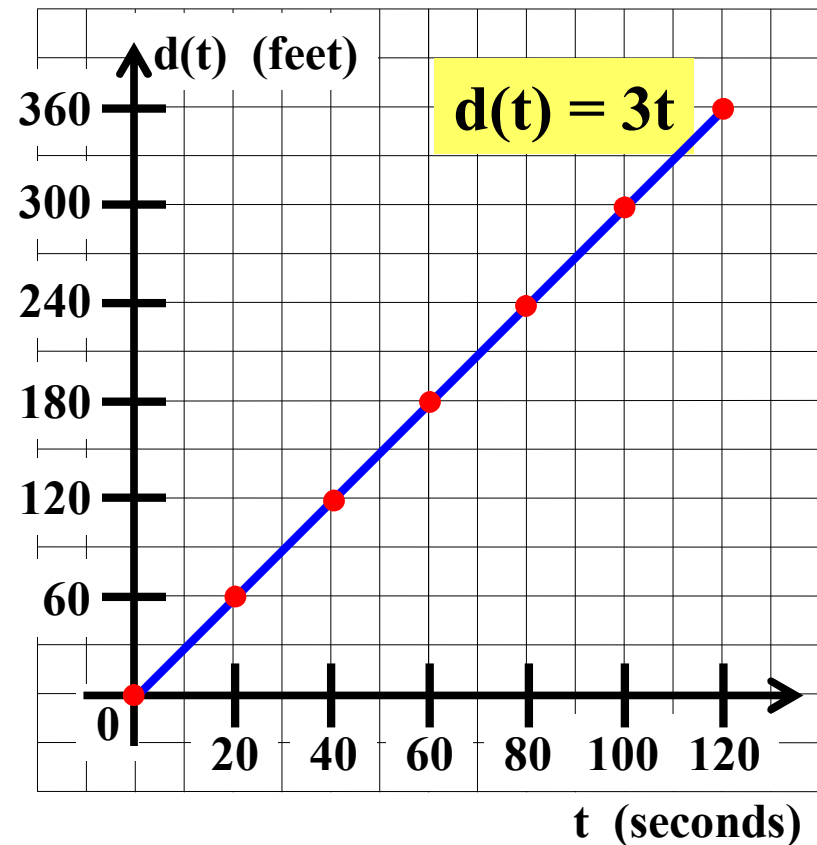
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0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

2. Graph function d .



What is the domain of function d ?

$[0, 120]$

General Algebra II CWS #3 Unit 6

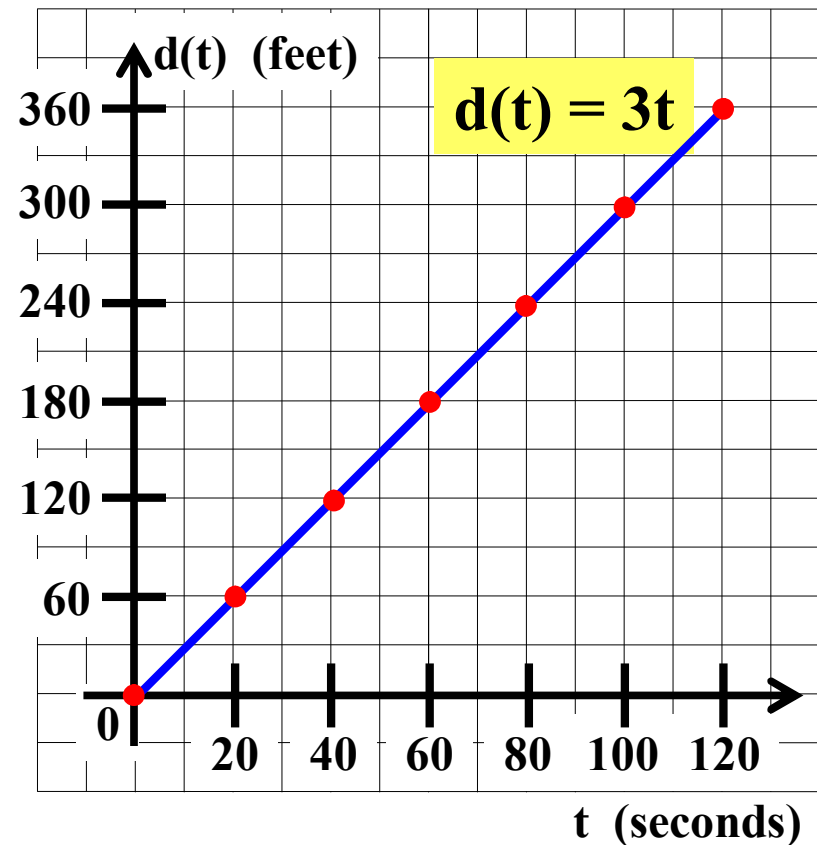
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0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

2. Graph function d .



What is the domain of function d ?

$[0, 120]$

General Algebra II CWS #3 Unit 6

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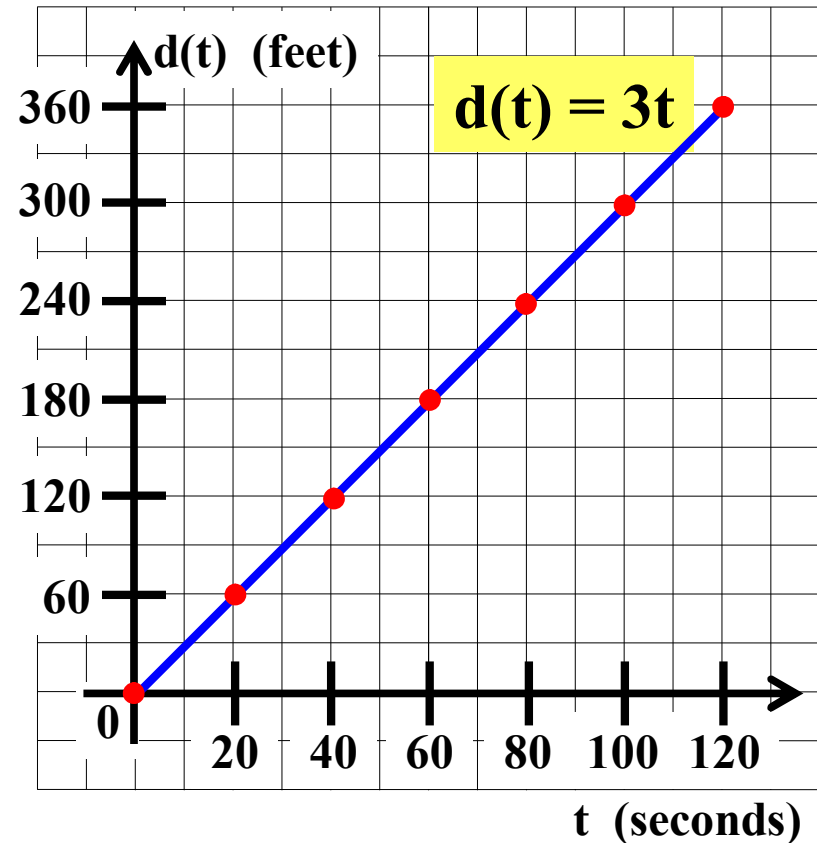
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t	$d(t)$
0	0
20	60
40	120
60	180
80	240
100	300
120	360

domain

domain
 $[0 , 120]$

2. Graph function d .



What is the domain of function d ?

$[0 , 120]$

General Algebra II CWS #3 Unit 6

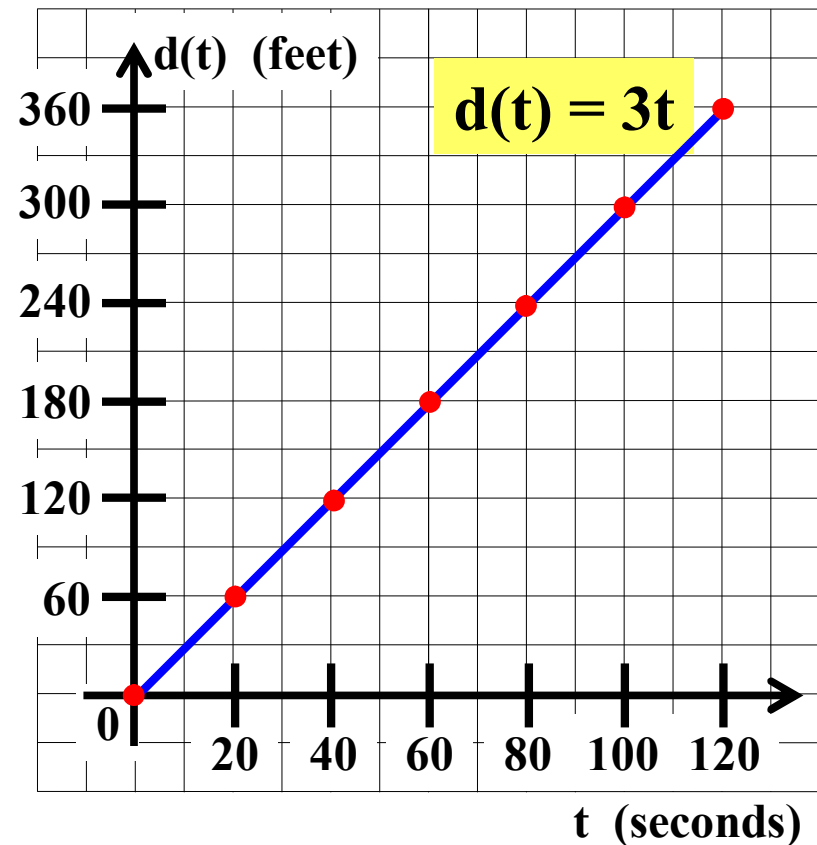
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60	180
80	240
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120	360

domain
[0 , 120]

2. Graph function d .



General Algebra II CWS #3 Unit 6

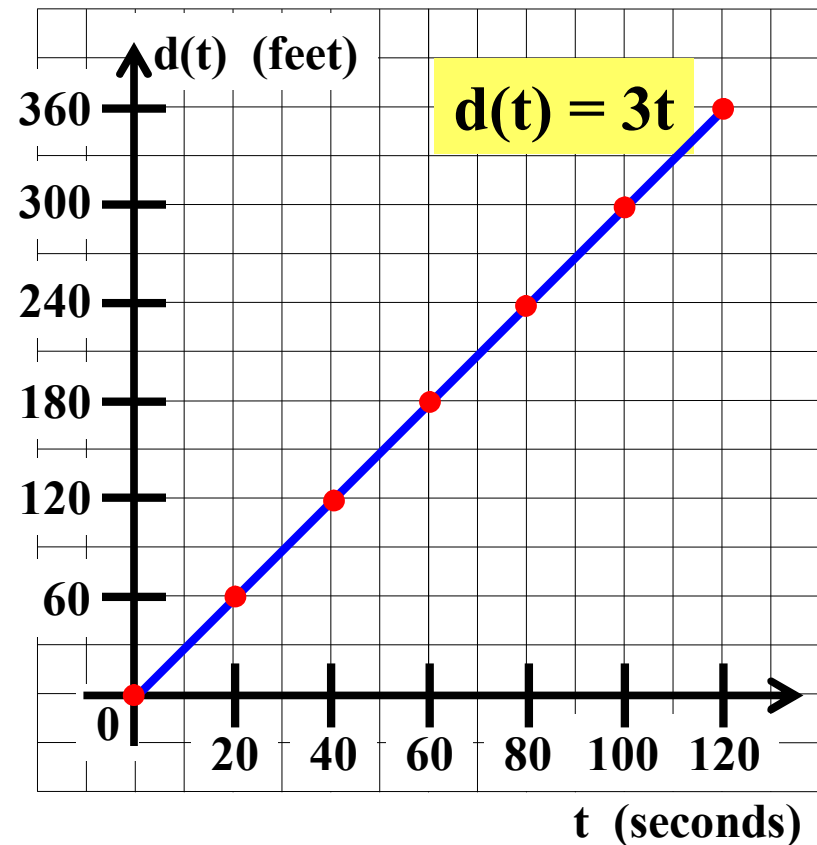
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60	180
80	240
100	300
120	360

domain
[0 , 120]

2. Graph function d .



What is the range of function d ?

General Algebra II CWS #3 Unit 6

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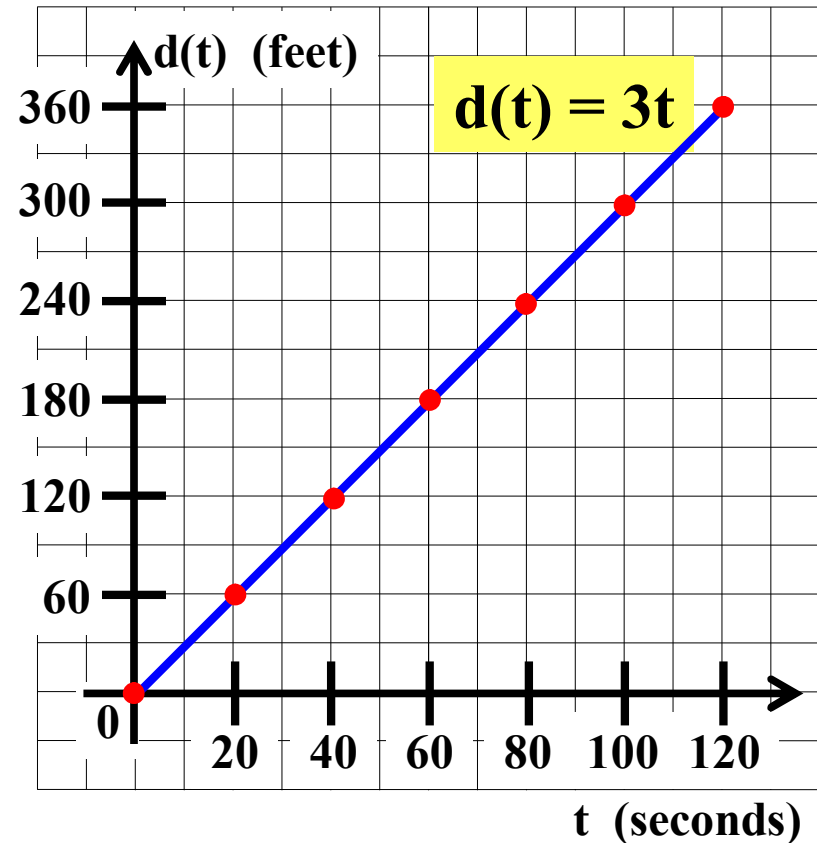
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t	$d(t)$
0	0
20	60
40	120
60	180
80	240
100	300
120	360

range

domain
[0 , 120]

2. Graph function d .



What is the range of function d ?

General Algebra II CWS #3 Unit 6

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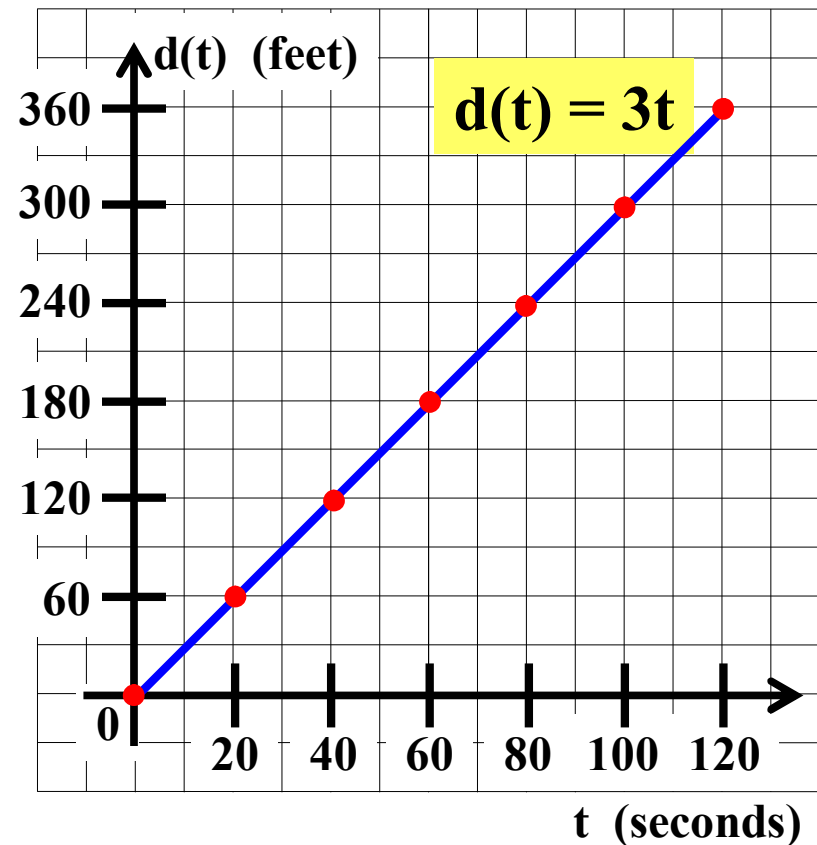
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0	0
20	60
40	120
60	180
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120	360

range

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[0 , 120]

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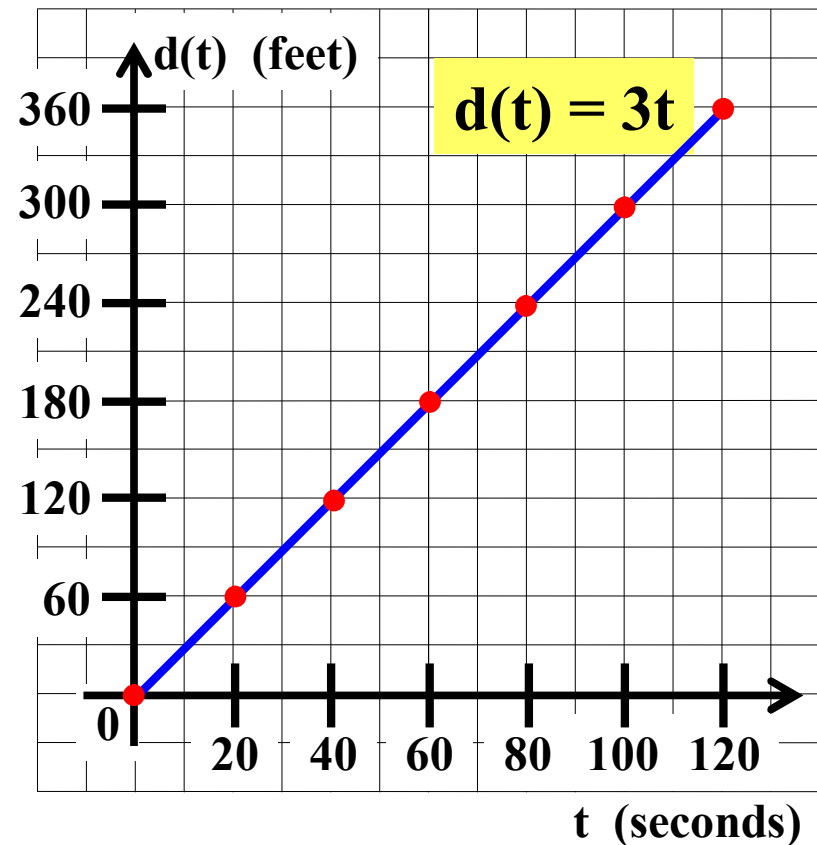
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120	360

range

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2. Graph function d .



What is the range of function d ?

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General Algebra II CWS #3 Unit 6

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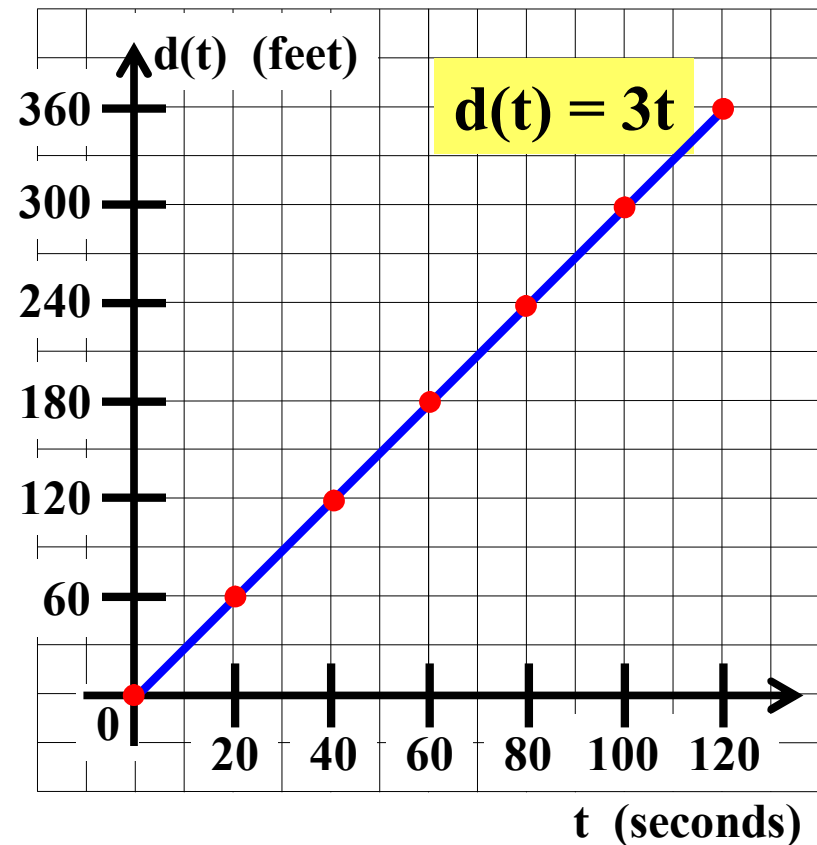
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0	0
20	60
40	120
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80	240
100	300
120	360

range

domain
[0 , 120]

2. Graph function d .



What is the range of function d ?

[0 ,

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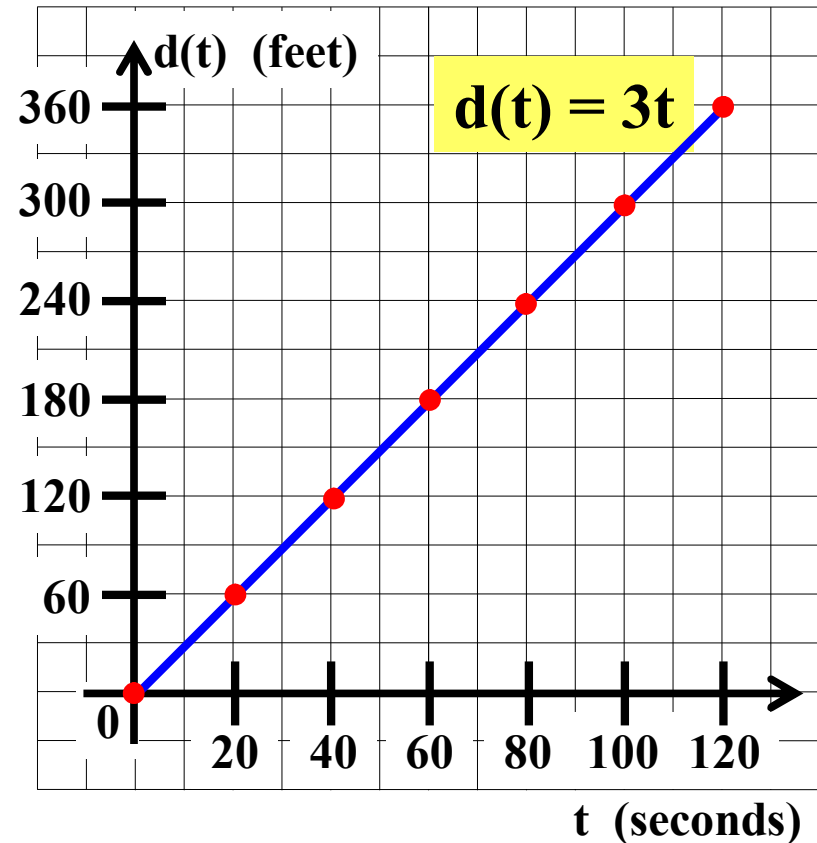
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t	$d(t)$
0	0
20	60
40	120
60	180
80	240
100	300
120	360

range

domain
 $[0 , 120]$

2. Graph function d .



What is the range of function d ?

$[0 , 360]$

General Algebra II CWS #3 Unit 6

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).

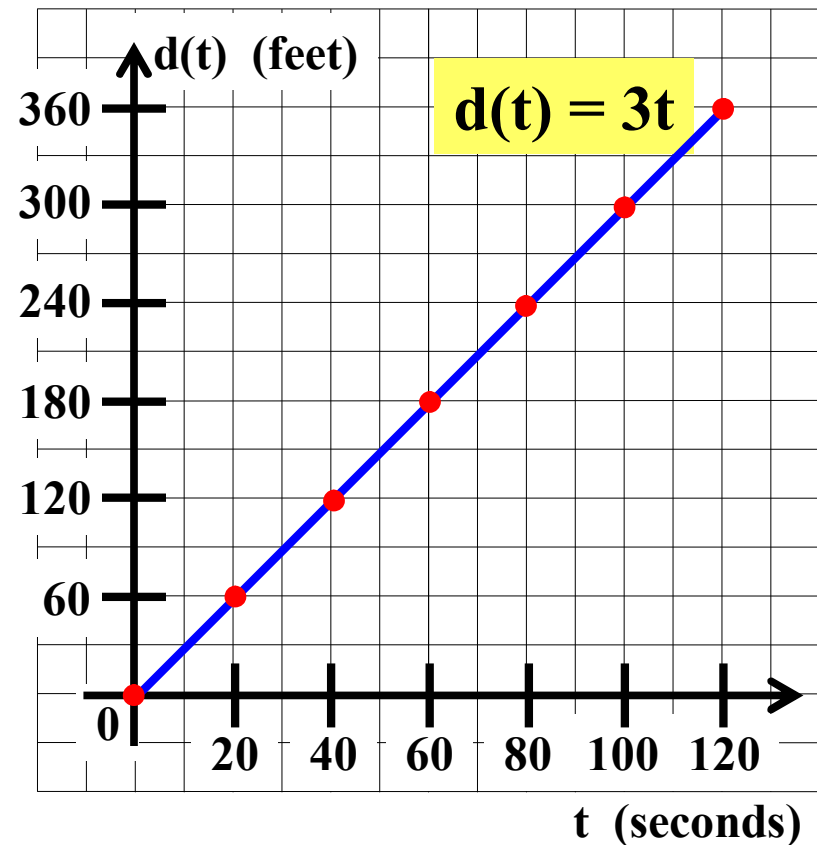
1. Make a table giving t and $d(t)$ every 20 seconds from $t = 0$ to $t = 120$.

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

range

domain
 $[0 , 120]$

2. Graph function d .



What is the range of function d ?

$[0 , 360]$

General Algebra II CWS #3 Unit 6

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

range

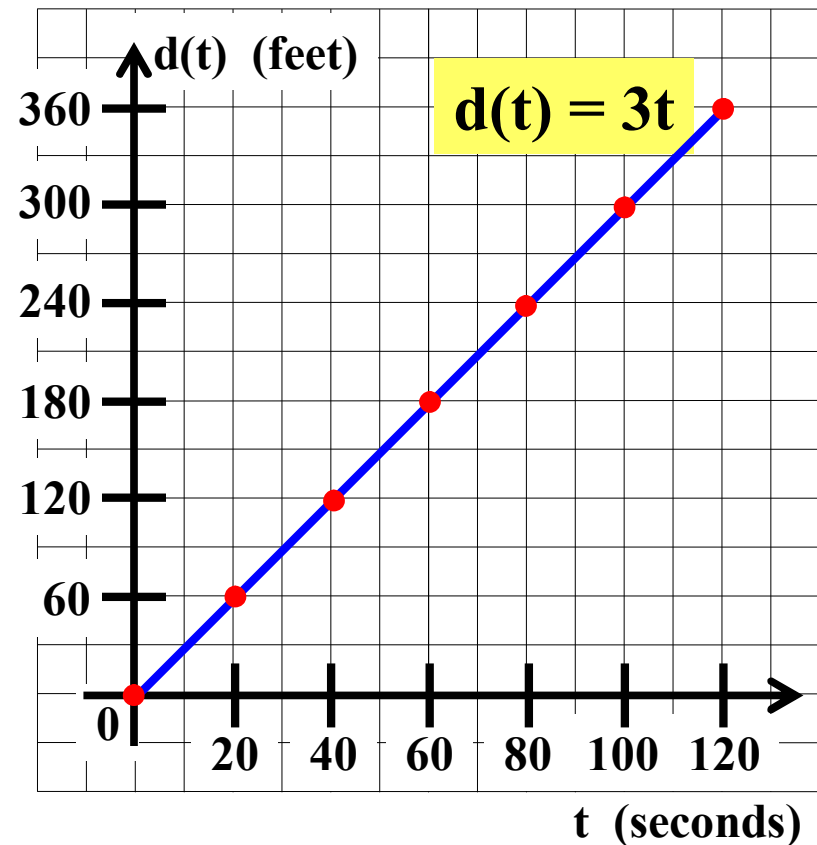
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



What is the range of function d ?

$[0 , 360]$

General Algebra II CWS #3 Unit 6

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

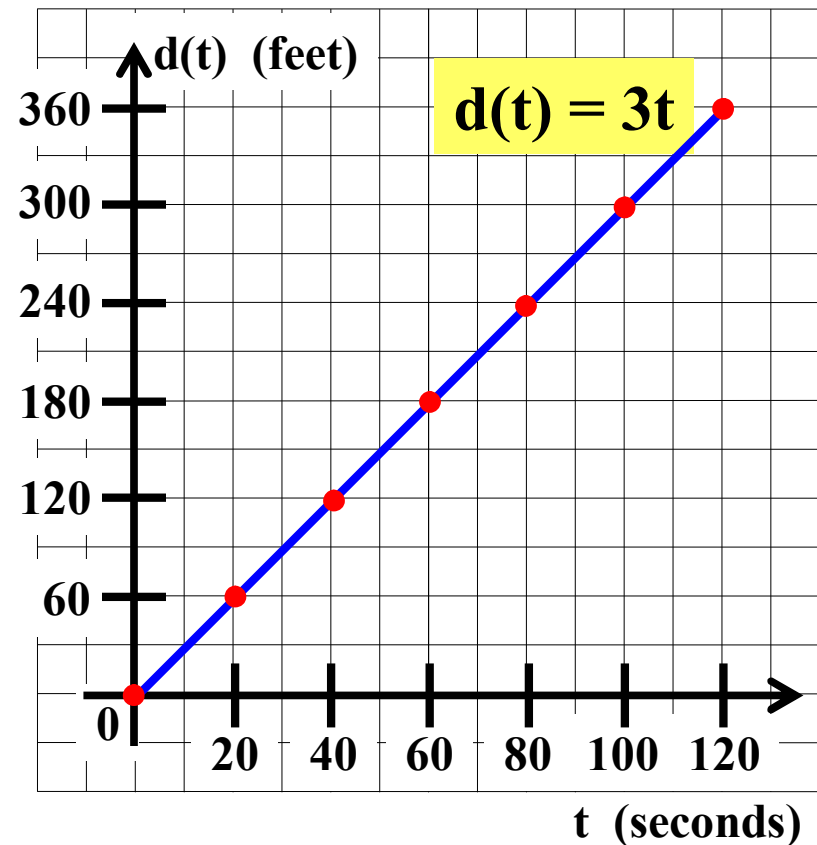
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



General Algebra II CWS #3 Unit 6

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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80	240
100	300
120	360

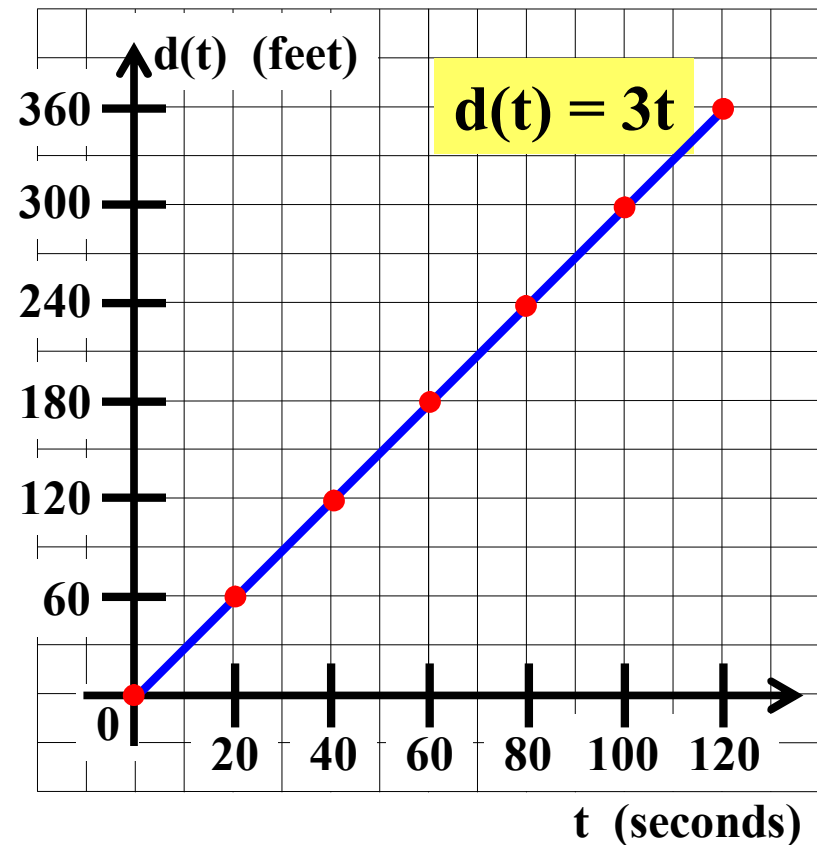
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

General Algebra II CWS #3 Unit 6

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

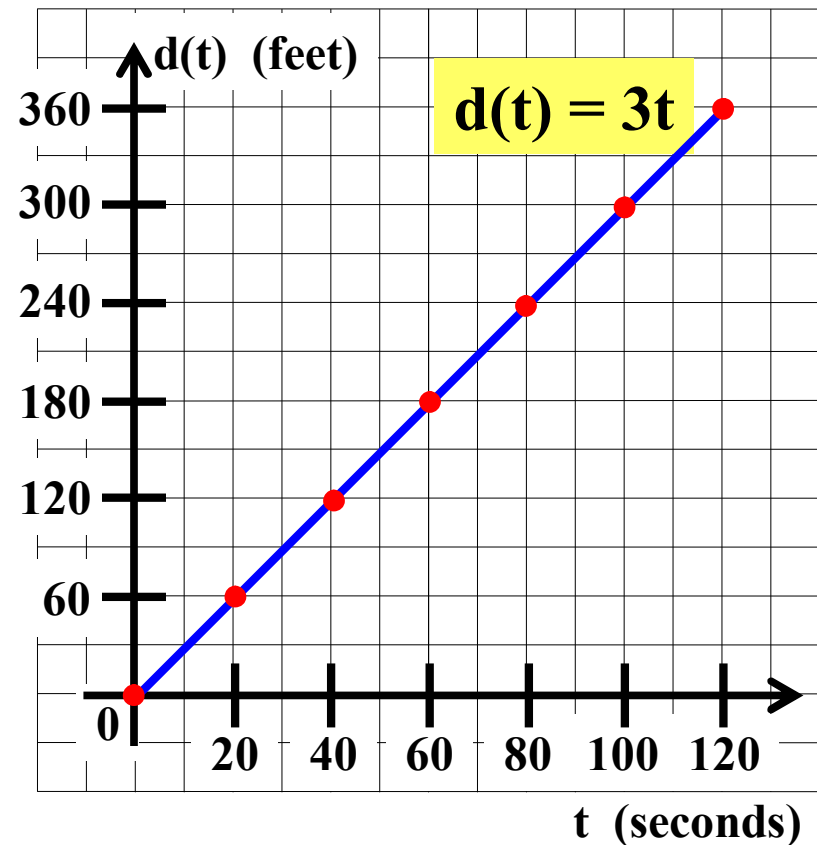
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

General Algebra II CWS #3 Unit 6

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
40	120
60	180
80	240
100	300
120	360

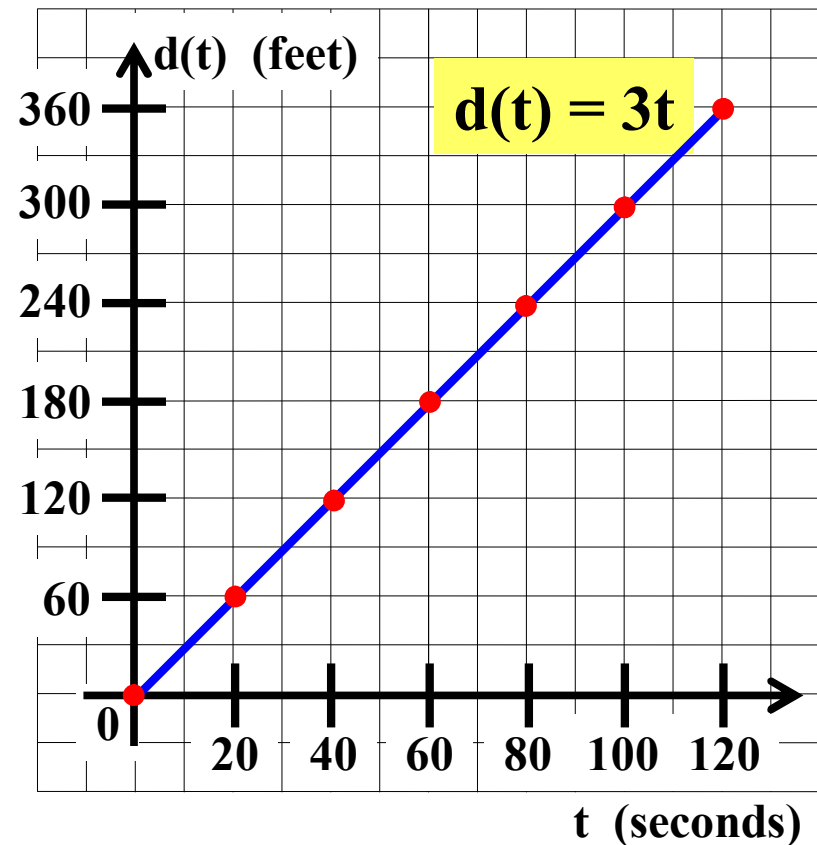
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$d(60) =$

General Algebra II CWS #3 Unit 6

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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100	300
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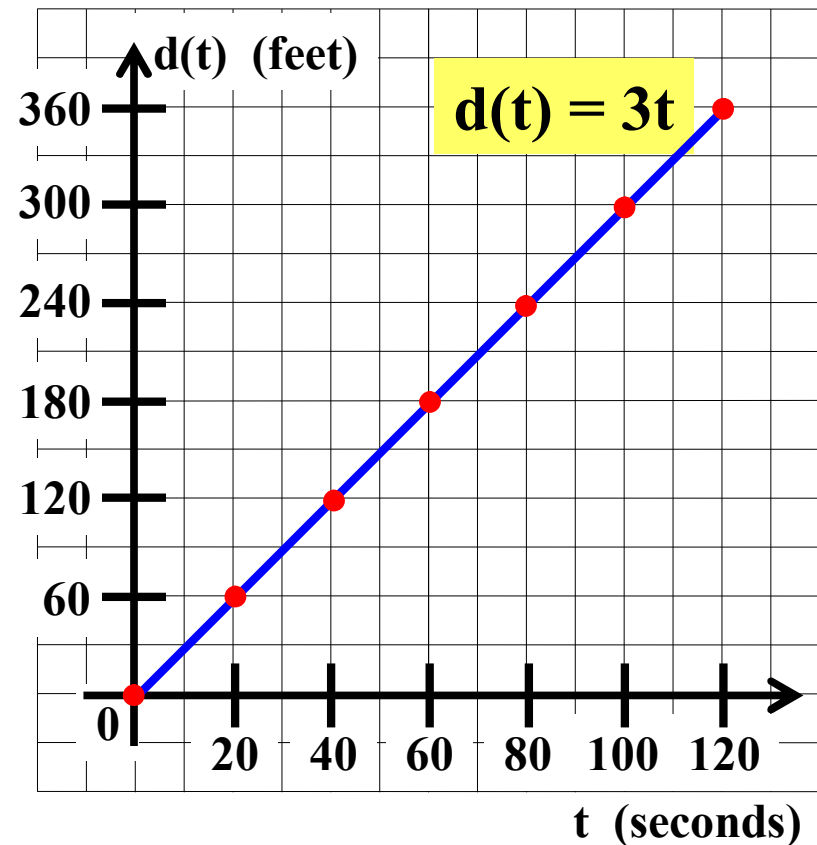
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$d(60) =$

General Algebra II CWS #3 Unit 6

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
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120	360

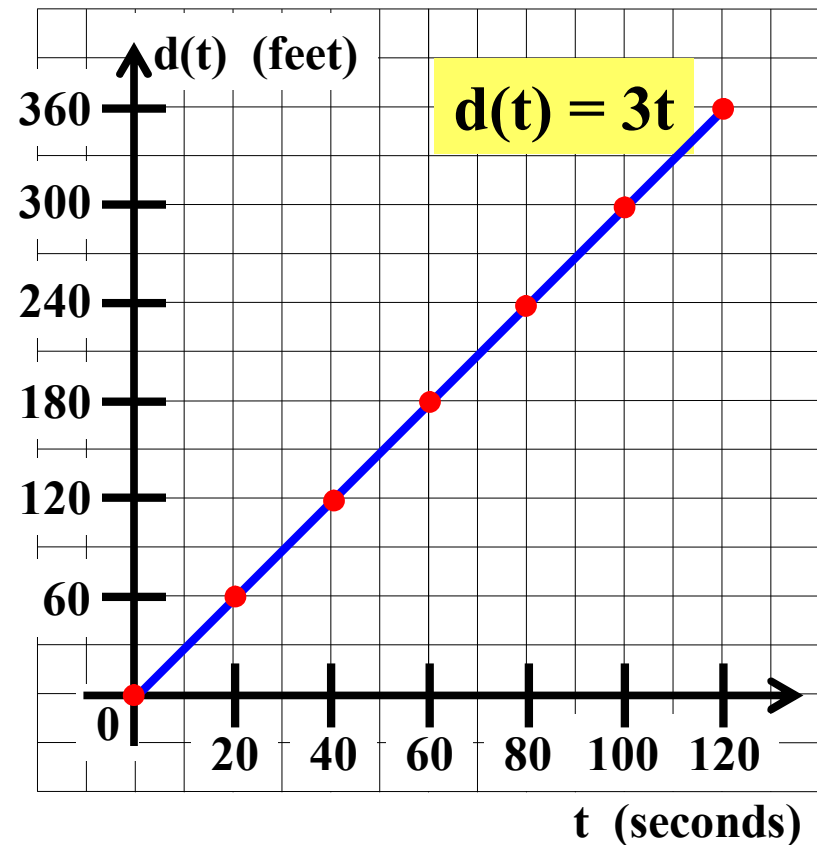
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$$d(60) = 180$$

General Algebra II CWS #3 Unit 6

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

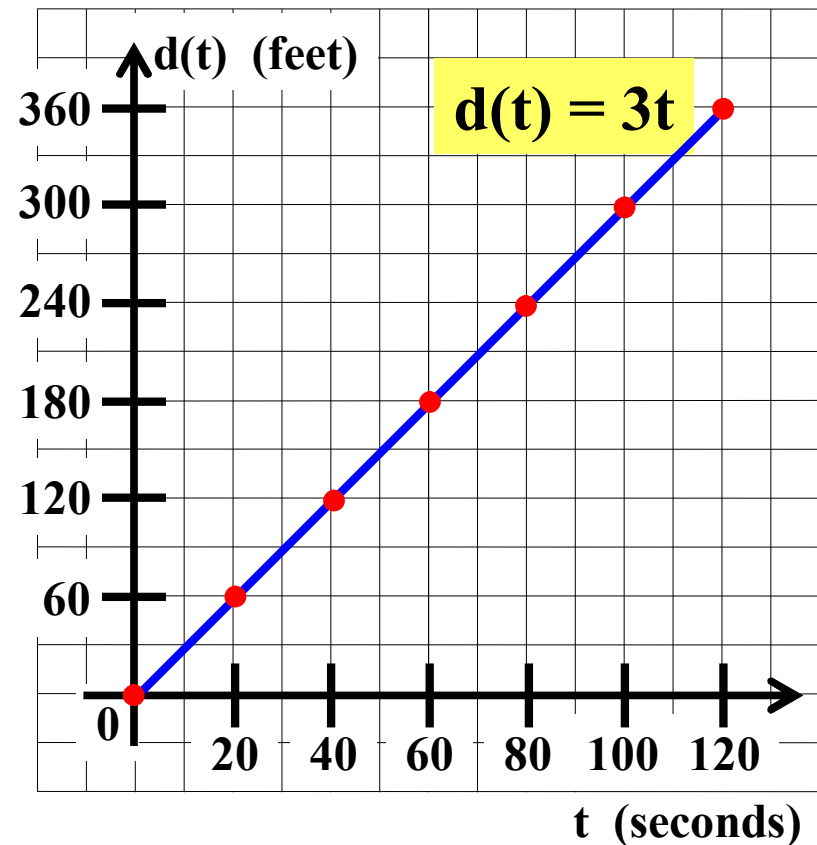
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$$d(60) = 180 \text{ feet}$$

General Algebra II CWS #3 Unit 6

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

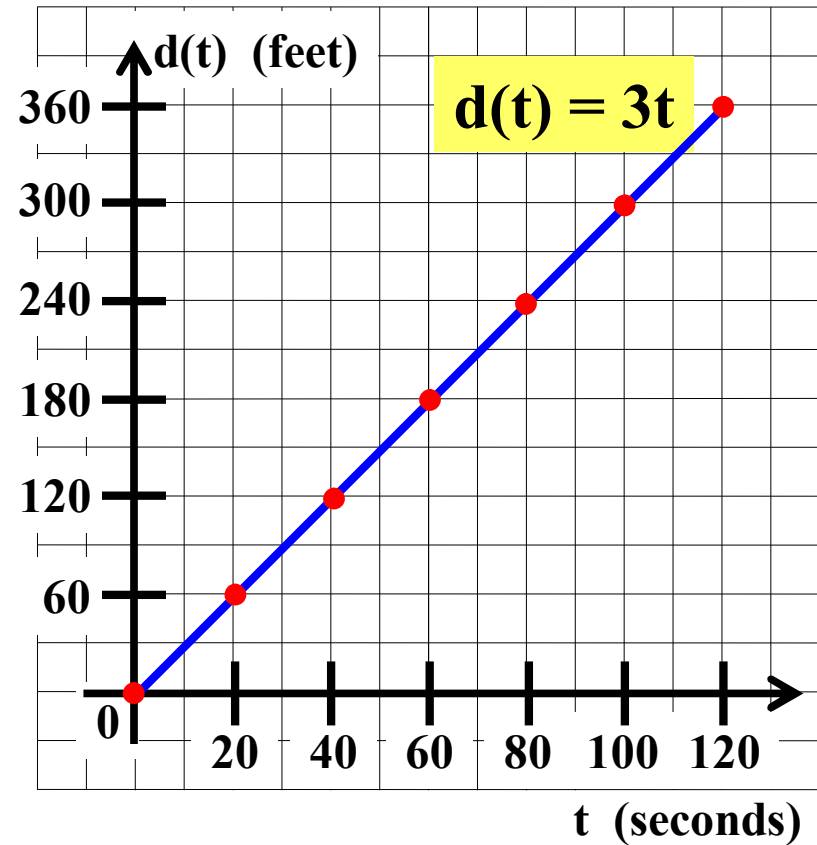
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$$d(60) = 180 \text{ feet}$$

General Algebra II CWS #3 Unit 6

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

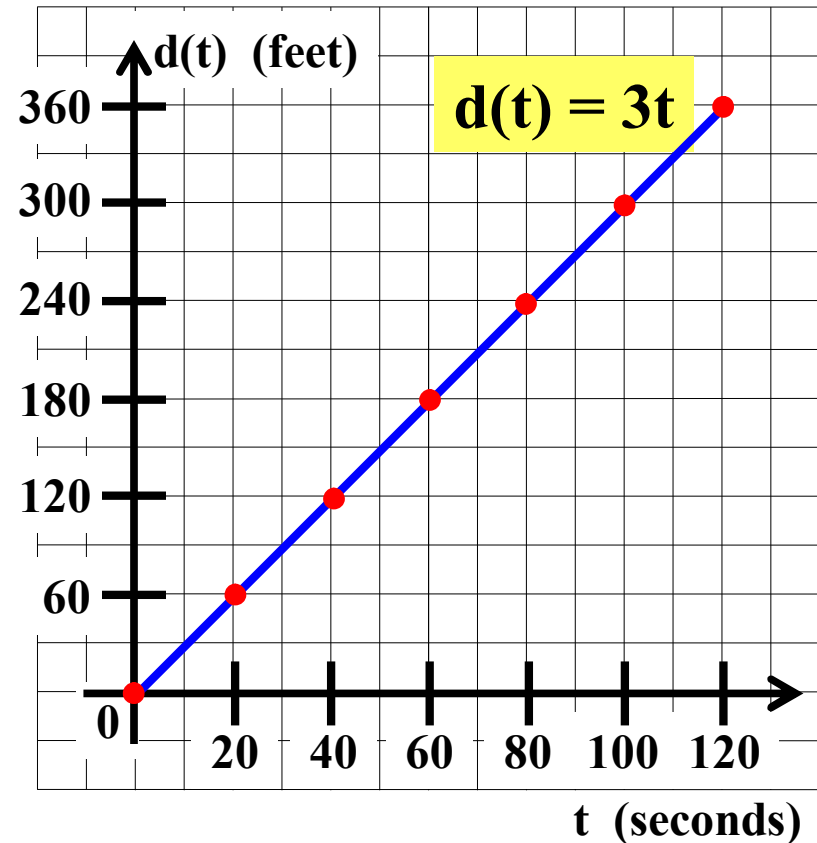
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$d(60) = 180$ feet $d(60)$ represents the distance John walked.

General Algebra II CWS #3 Unit 6

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
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120	360

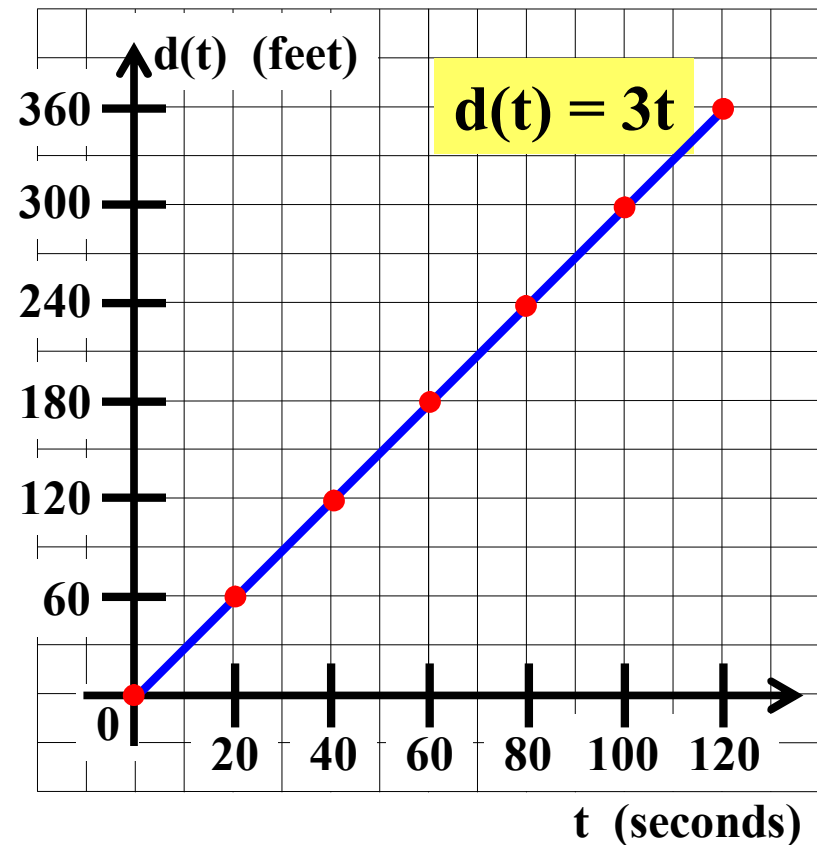
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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.

General Algebra II CWS #3 Unit 6

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

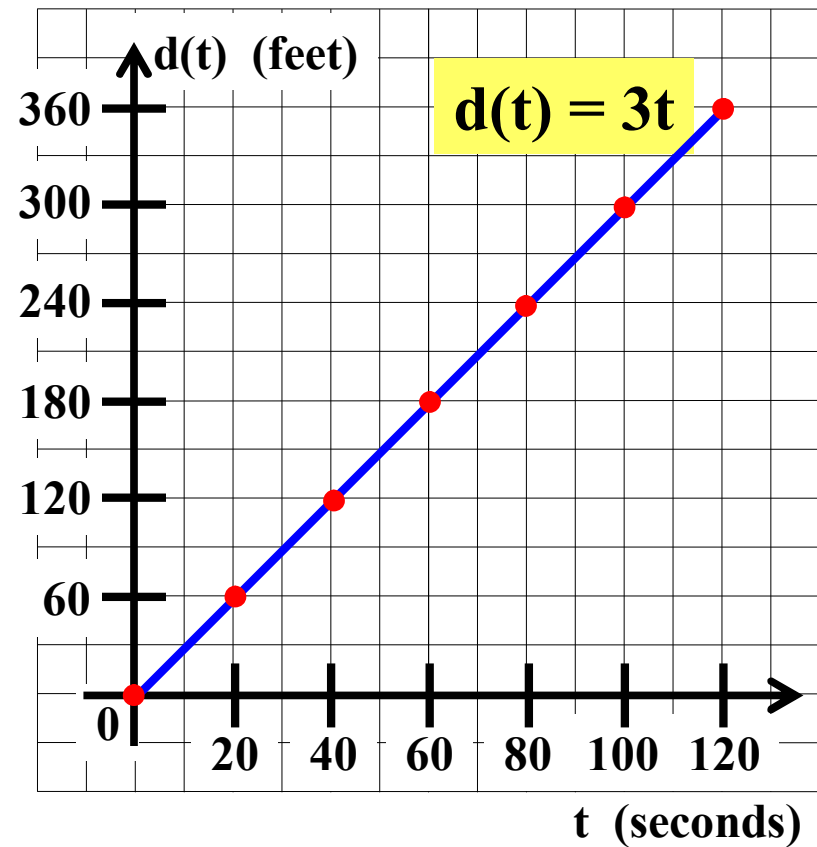
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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.

General Algebra II CWS #3 Unit 6

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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100	300
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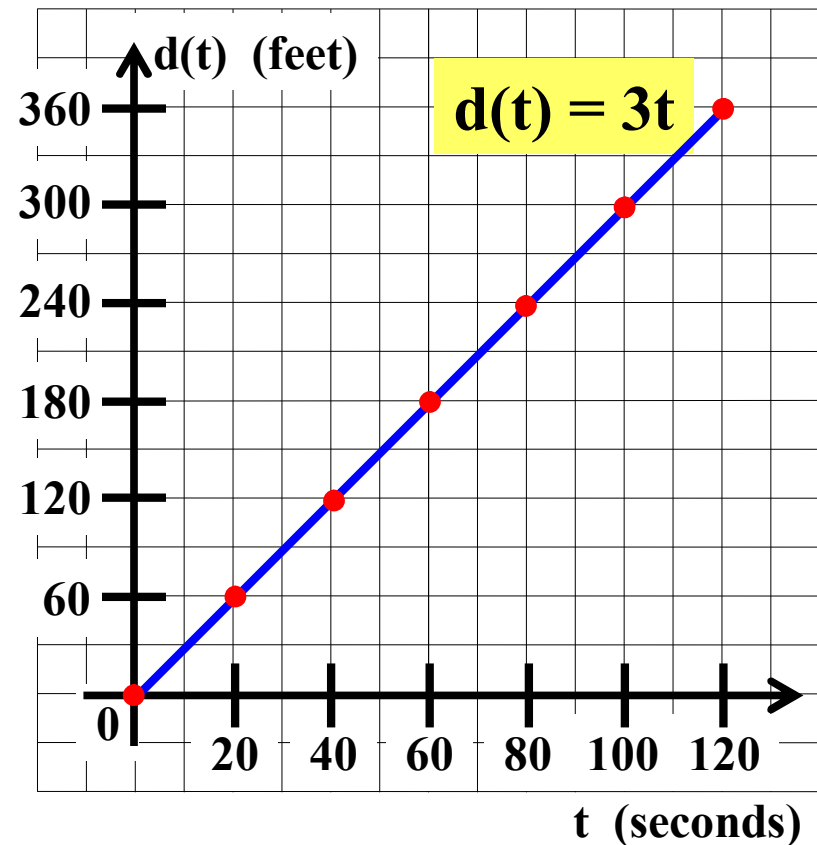
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$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



General Algebra II CWS #3 Unit 6

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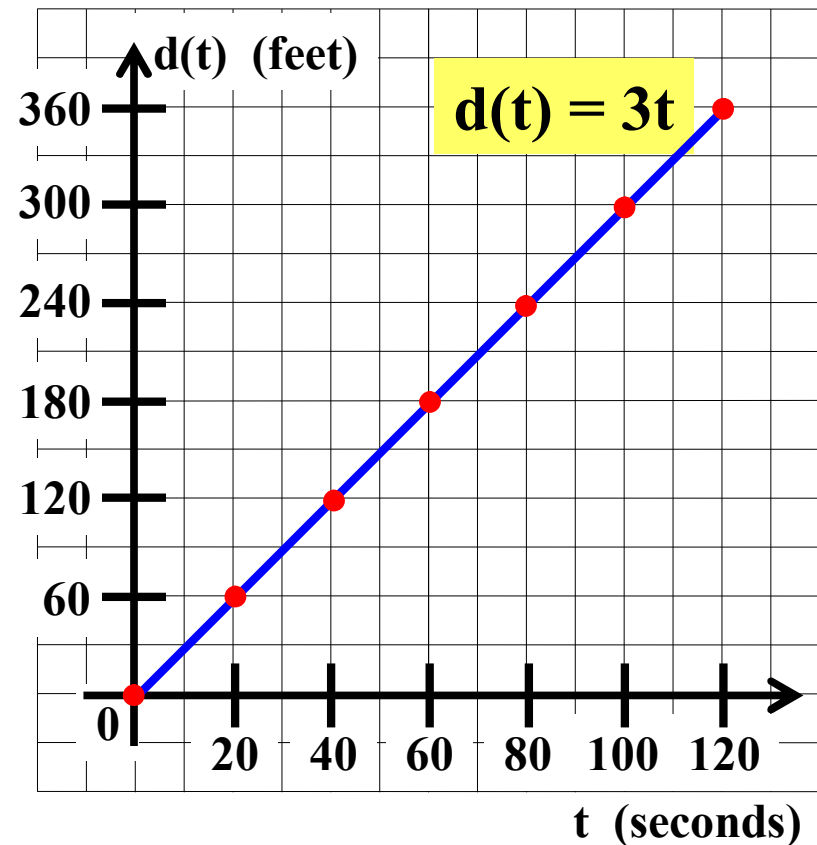
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

General Algebra II CWS #3 Unit 6

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

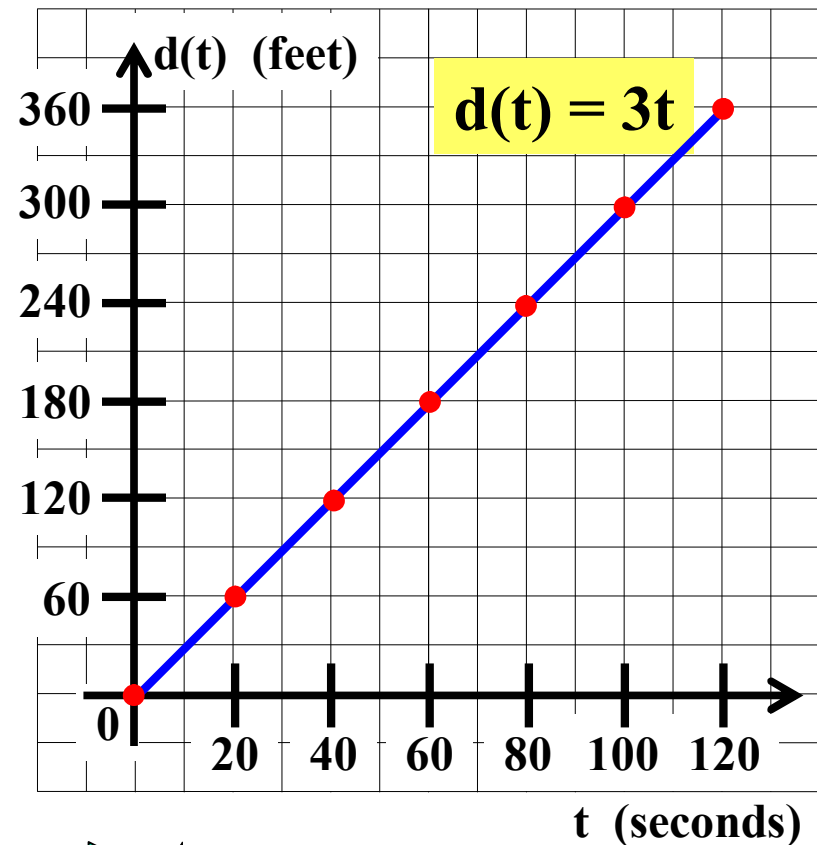
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$$d(t) = 60 \longrightarrow t =$$

General Algebra II CWS #3 Unit 6

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
40	120
60	180
80	240
100	300
120	360

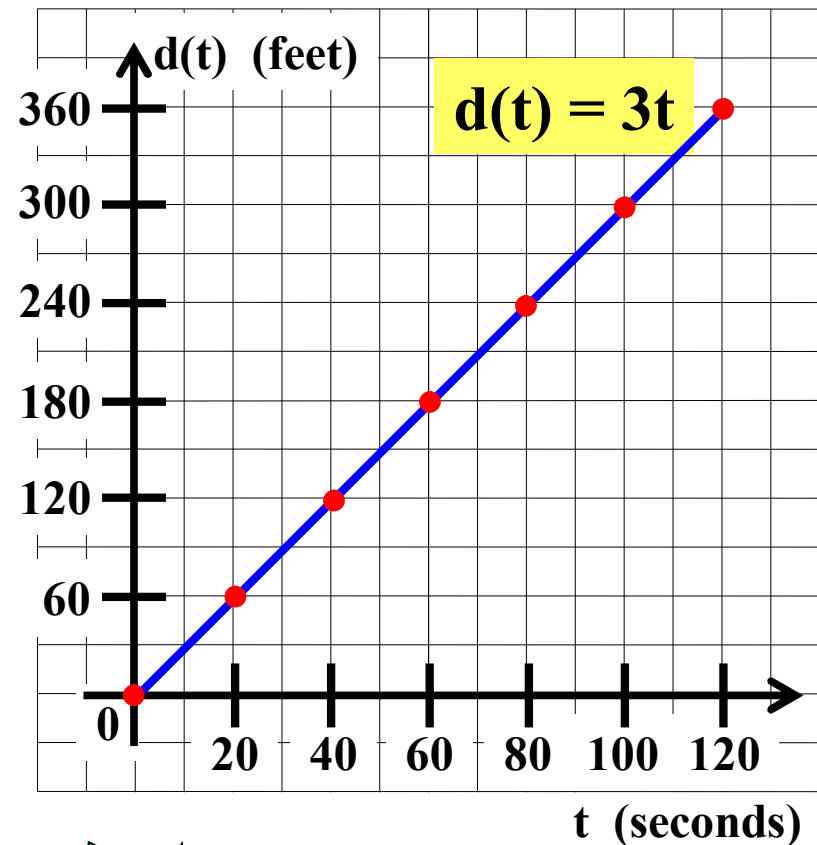
domain
[0 , 120]

range
[0 , 360]

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

$$d(t) = 60 \longrightarrow t =$$

2. Graph function d .



General Algebra II CWS #3 Unit 6

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

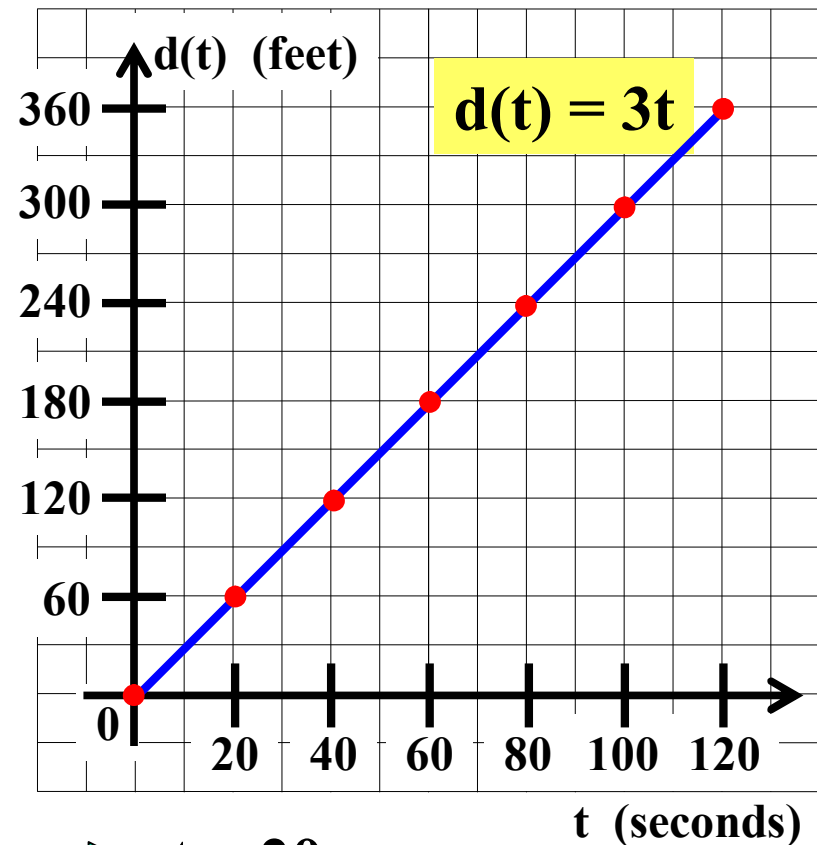
domain
[0 , 120]

range
[0 , 360]

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

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

2. Graph function d .



General Algebra II CWS #3 Unit 6

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

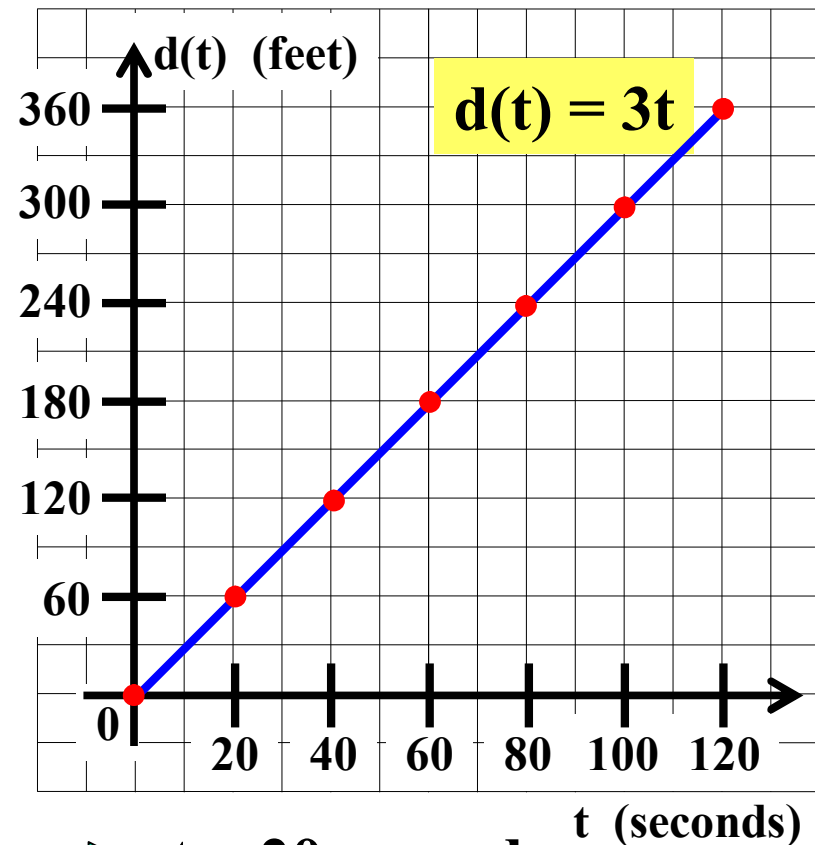
domain
[0 , 120]

range
[0 , 360]

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

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

2. Graph function d .



General Algebra II CWS #3 Unit 6

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

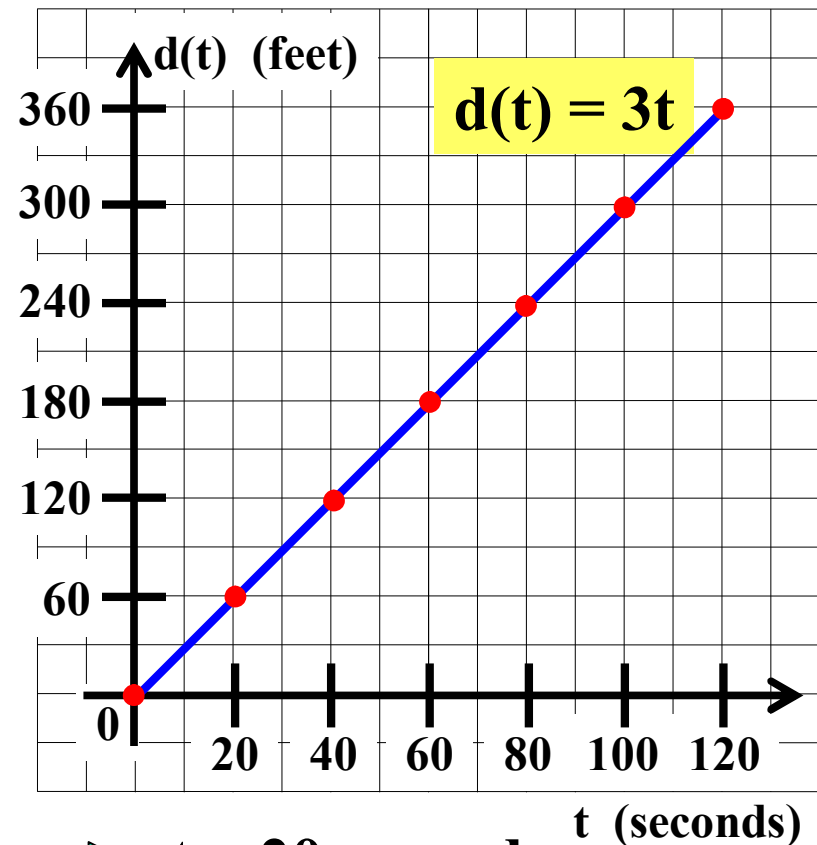
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

$$d(t) = 60$$



$$t = 20 \text{ seconds}$$

t (seconds)

General Algebra II CWS #3 Unit 6

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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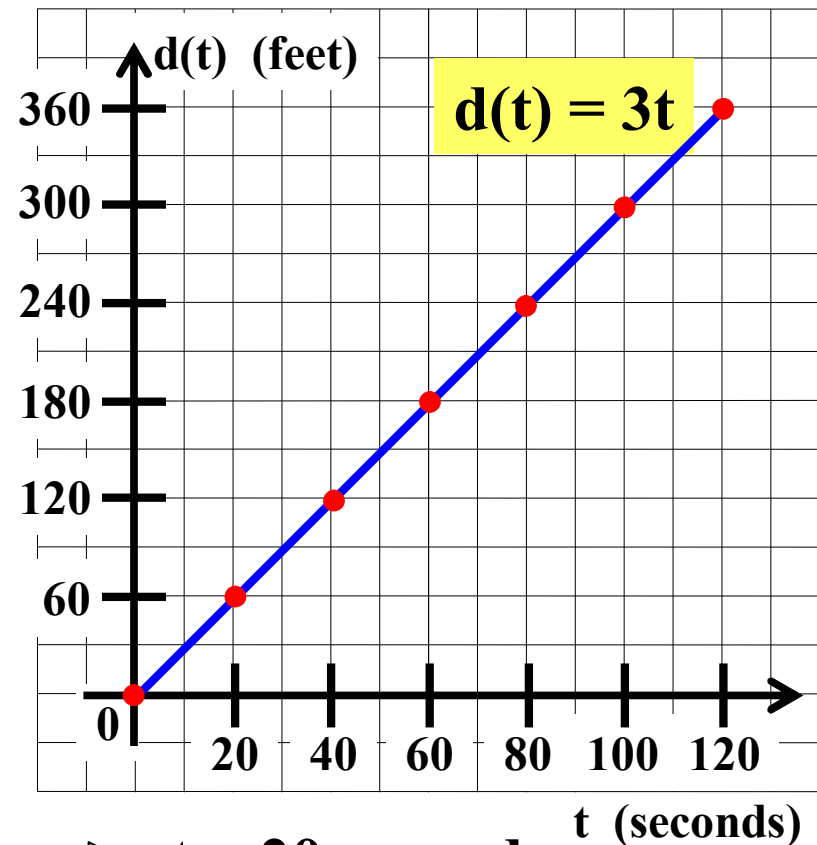
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

What does this value of t represent

in terms of the problem?

$$d(t) = 60$$



$$t = 20 \text{ seconds}$$

General Algebra II CWS #3 Unit 6

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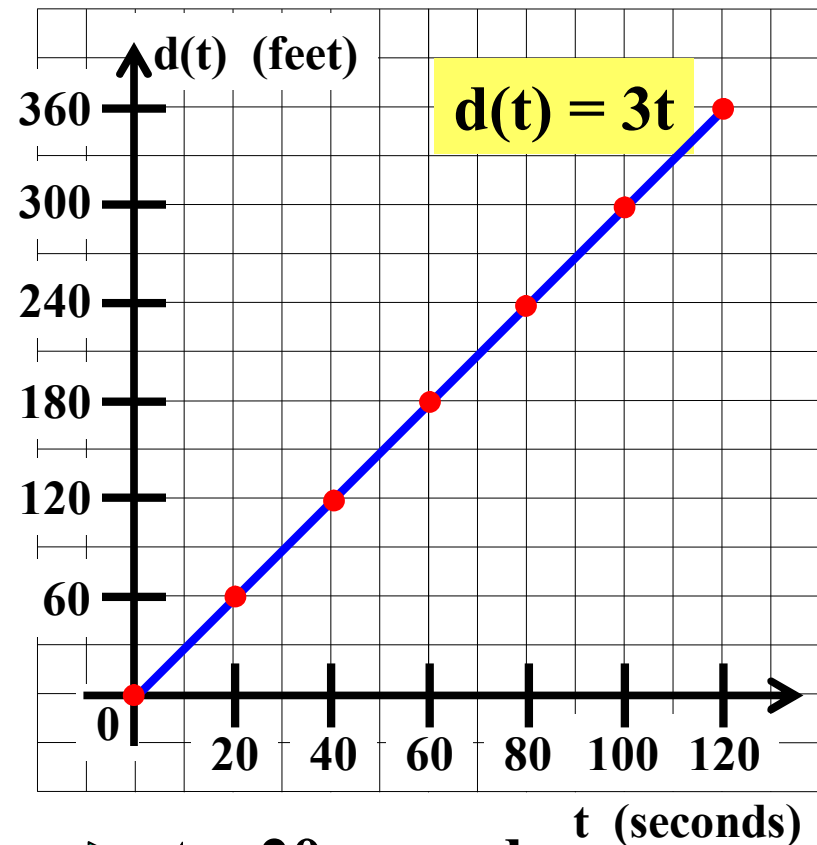
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

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

$$d(t) = 60 \longrightarrow t = 20 \text{ seconds}$$

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

General Algebra II CWS #3 Unit 6

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

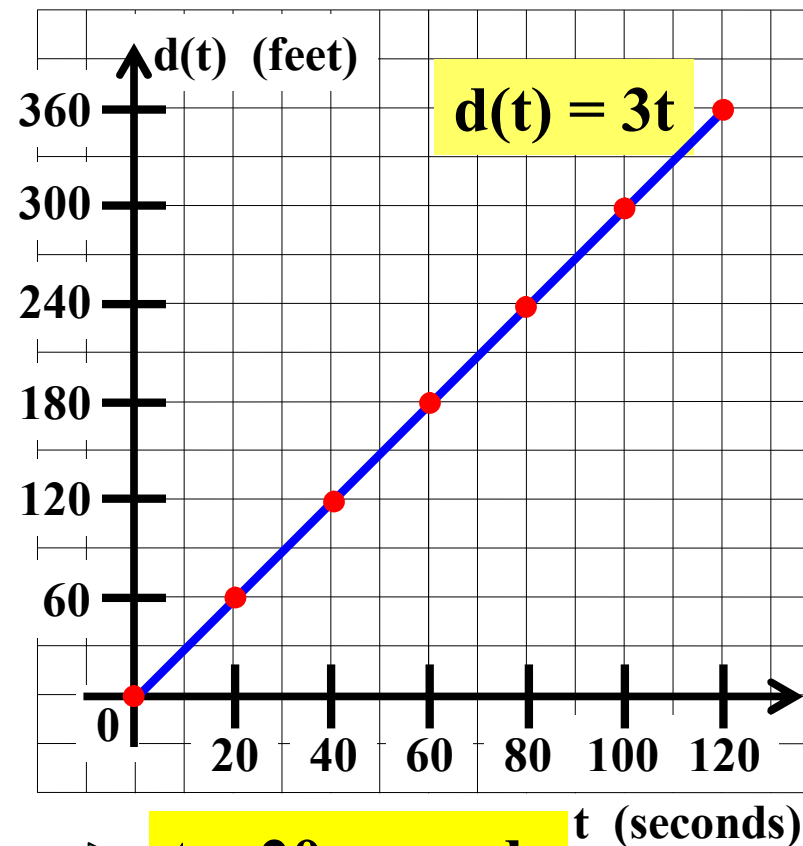
domain

$[0 , 120]$

range

$[0 , 360]$

2. Graph function d .



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

What does this value of t represent

in terms of the problem?

$$d(t) = 60$$



$$t = 20 \text{ seconds}$$

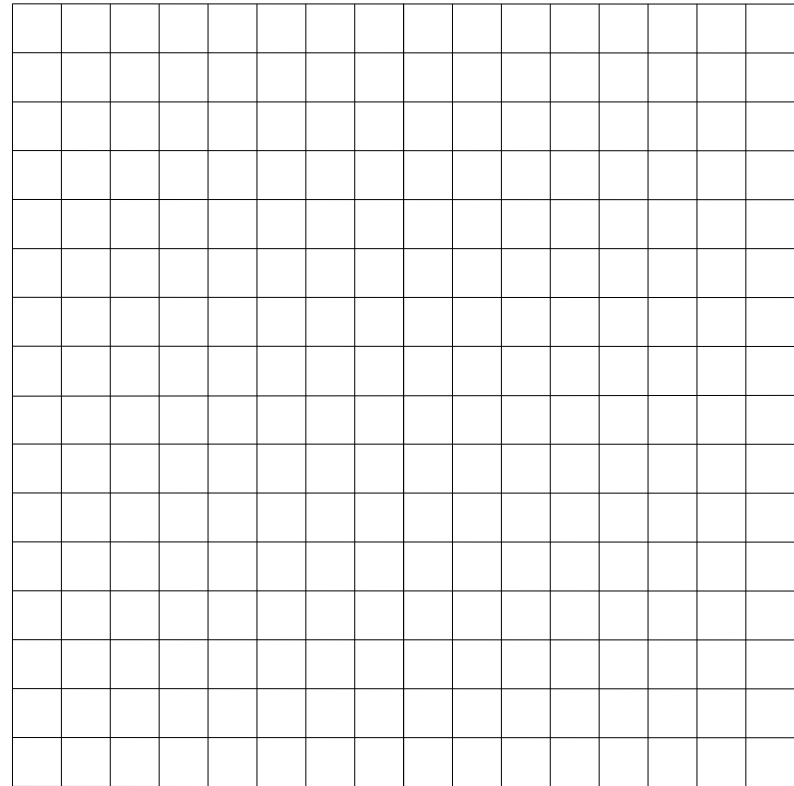
This represents the time it took John to walk 60 feet.

General Algebra II CWS #3 Unit 6

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 .

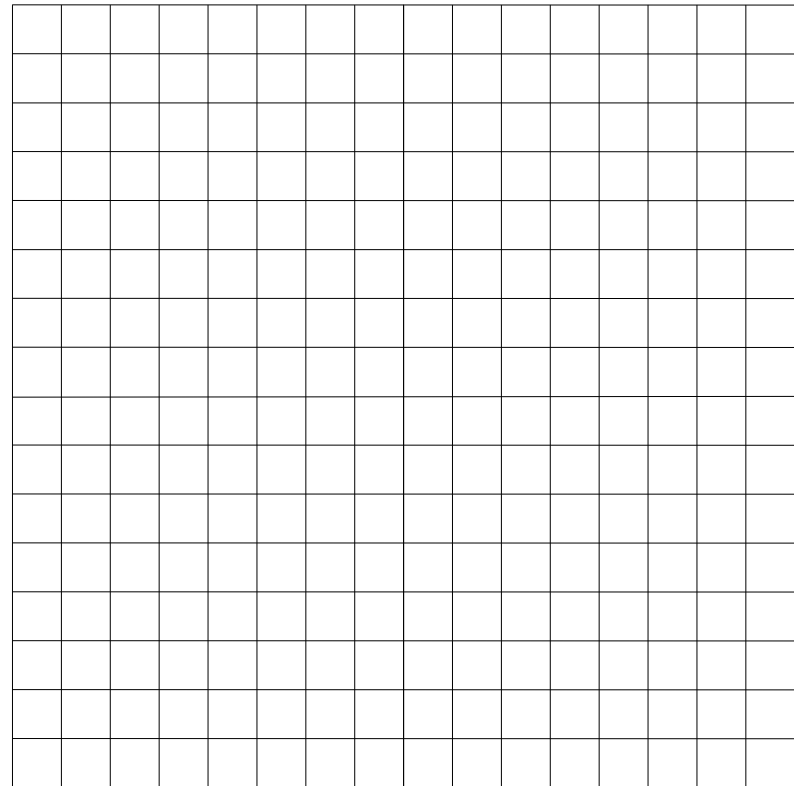


General Algebra II CWS #3 Unit 6

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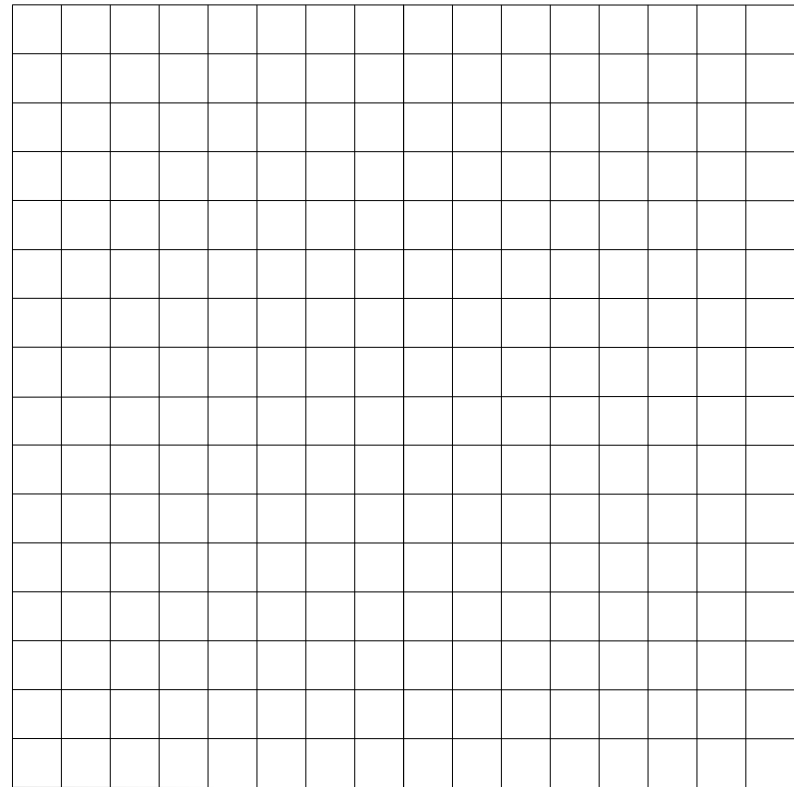
General Algebra II CWS #3 Unit 6

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t	$D(t)$
0	
.5	
1	
1.5	
2	
2.5	
3	

9. Graph function D .



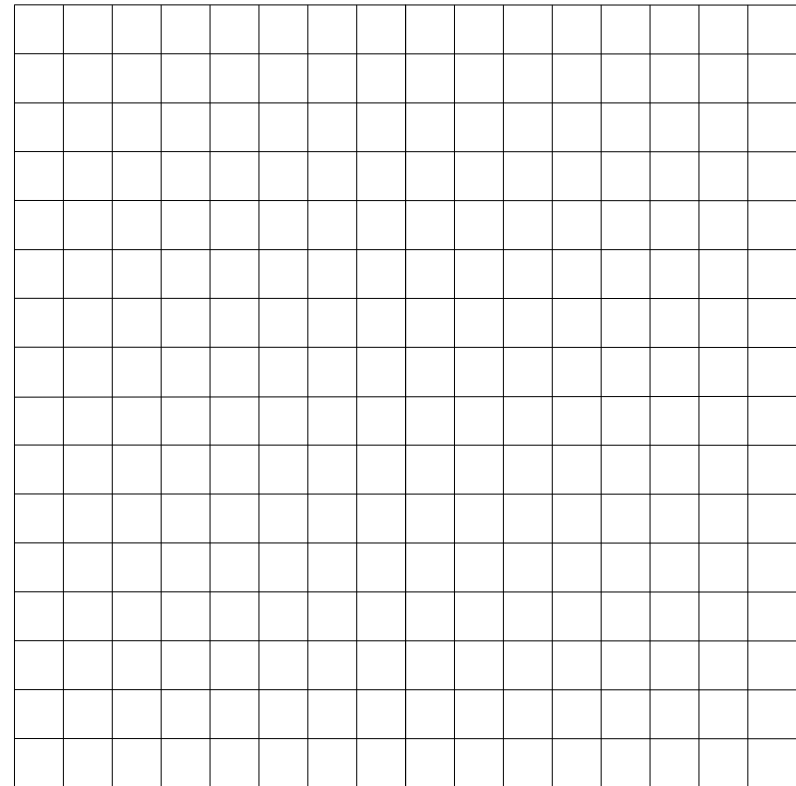
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0	0
.5	
1	
1.5	
2	
2.5	
3	

9. Graph function D .



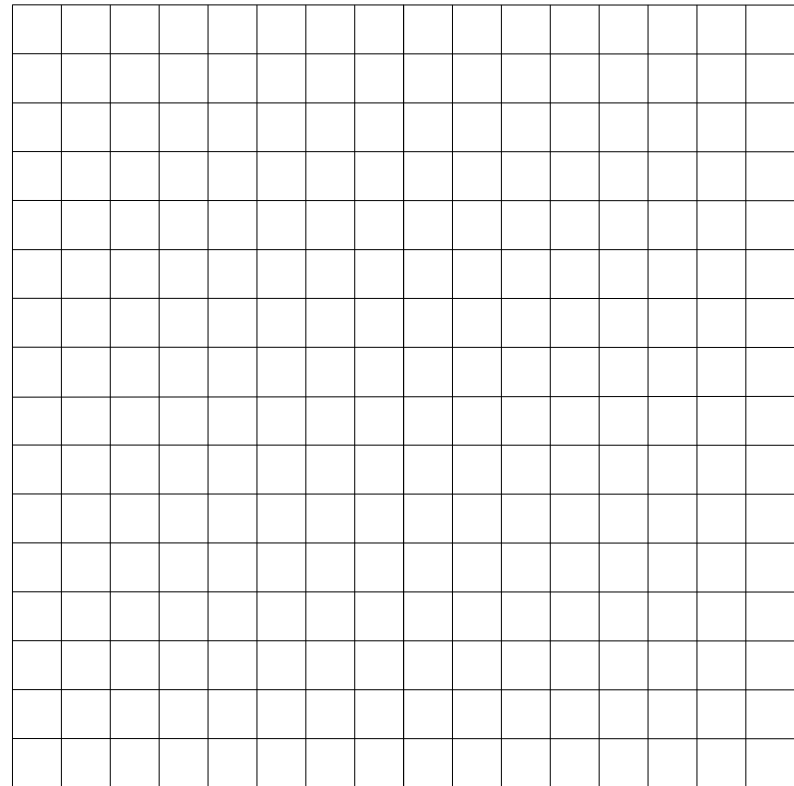
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t	$D(t)$
0	0
.5	5
1	
1.5	
2	
2.5	
3	

9. Graph function D .



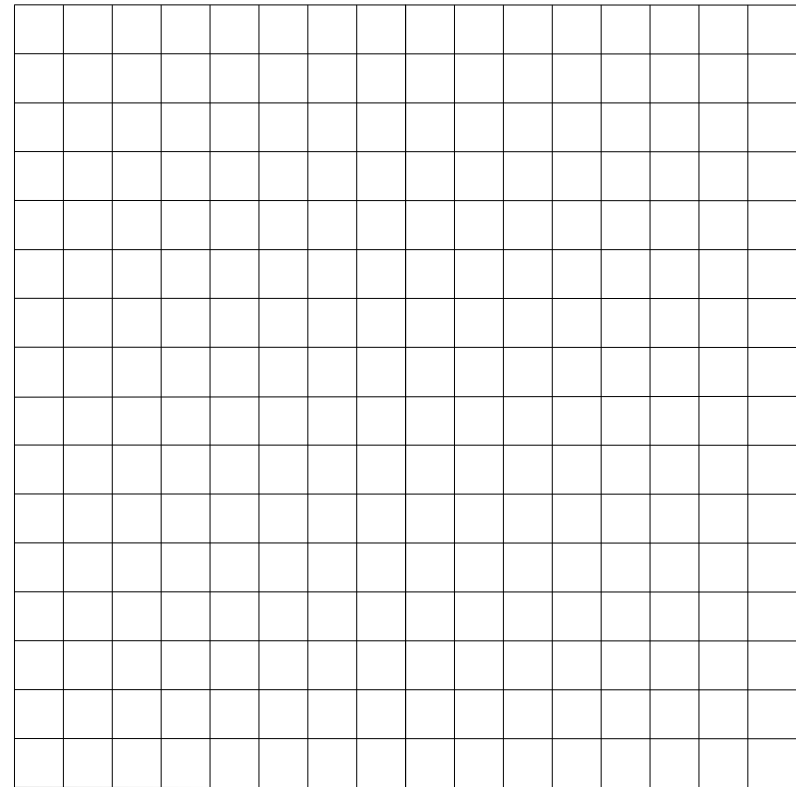
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1	10
1.5	
2	
2.5	
3	

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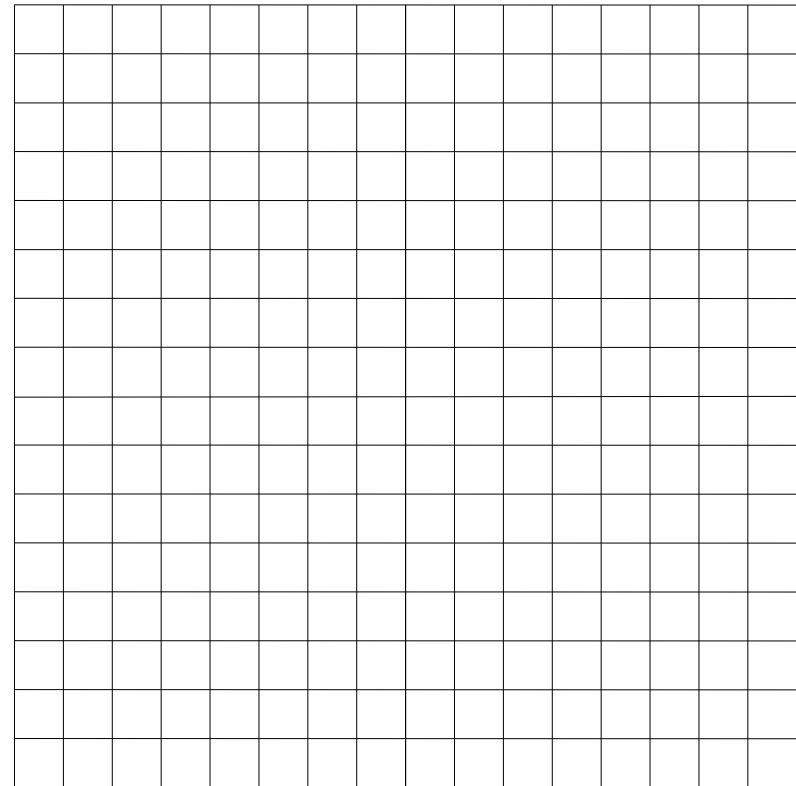
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t	$D(t)$
0	0
.5	5
1	10
1.5	15
2	
2.5	
3	

9. Graph function D .



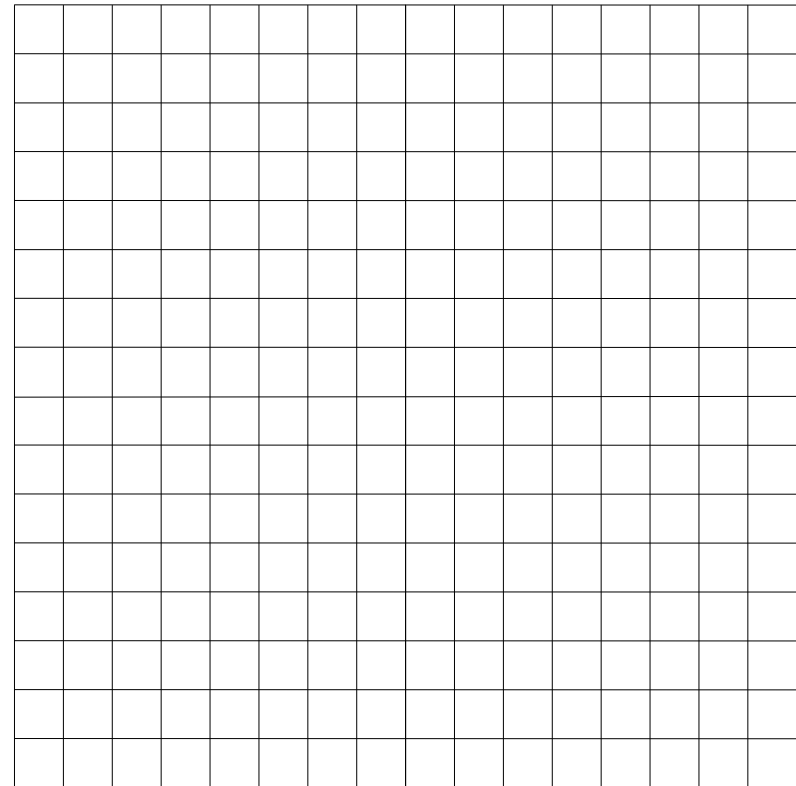
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1.5	15
2	20
2.5	
3	

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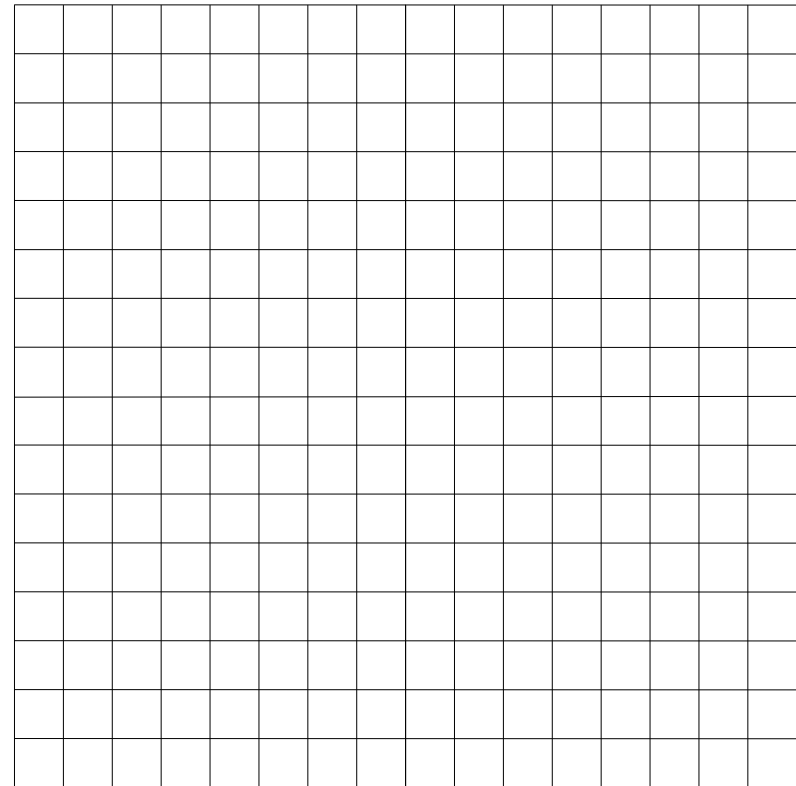
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1.5	15
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2.5	25
3	

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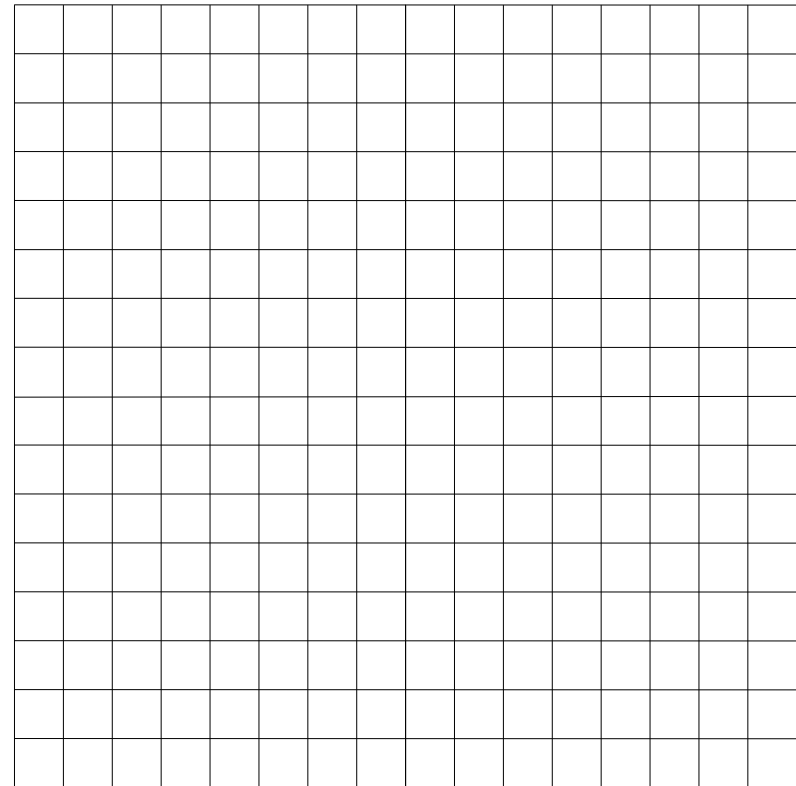
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0	0
.5	5
1	10
1.5	15
2	20
2.5	25
3	30

9. Graph function D .



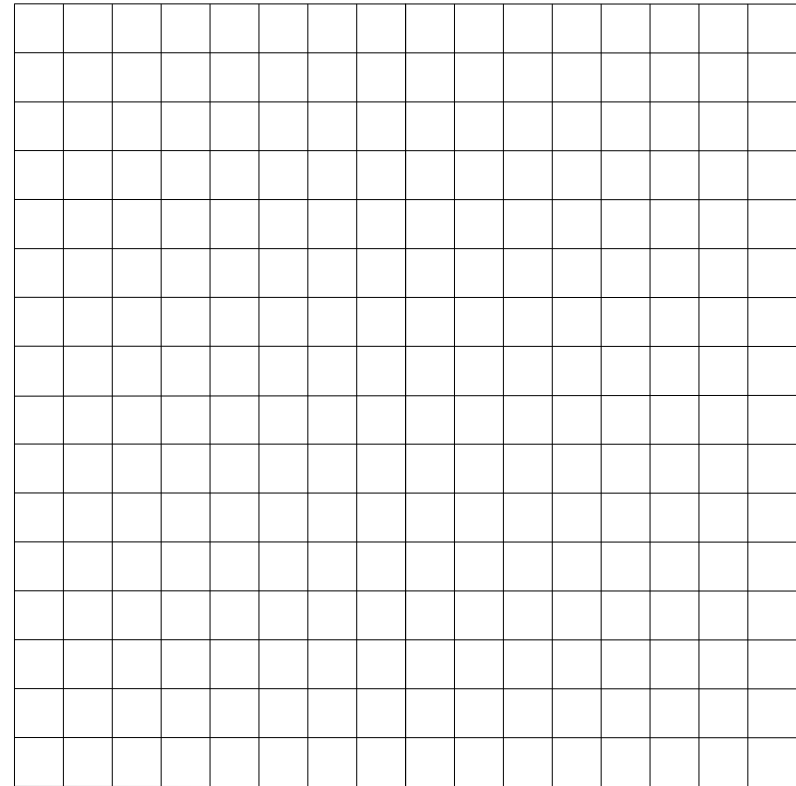
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2.5	25
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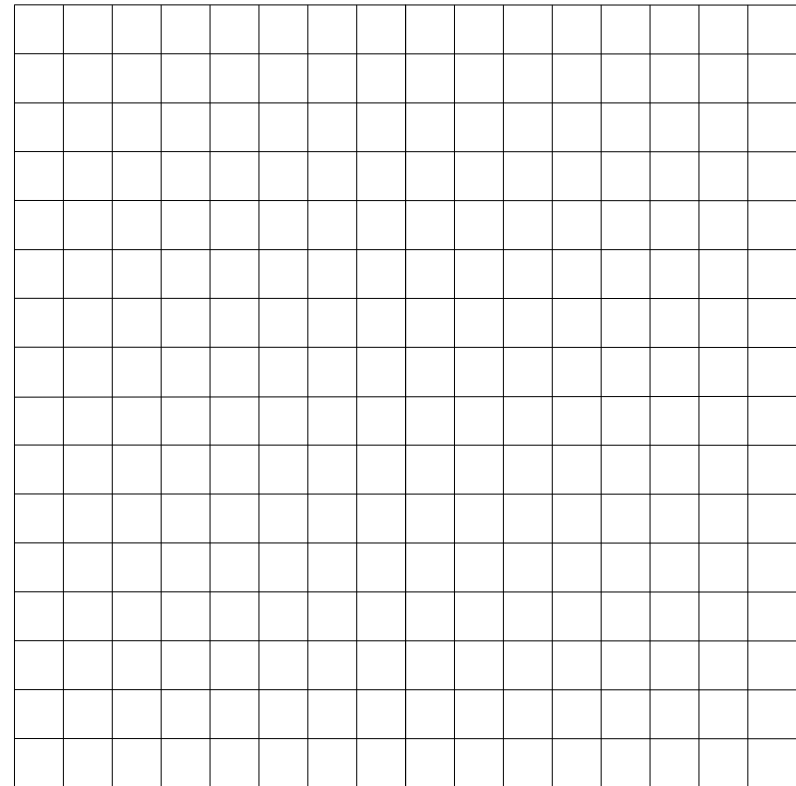
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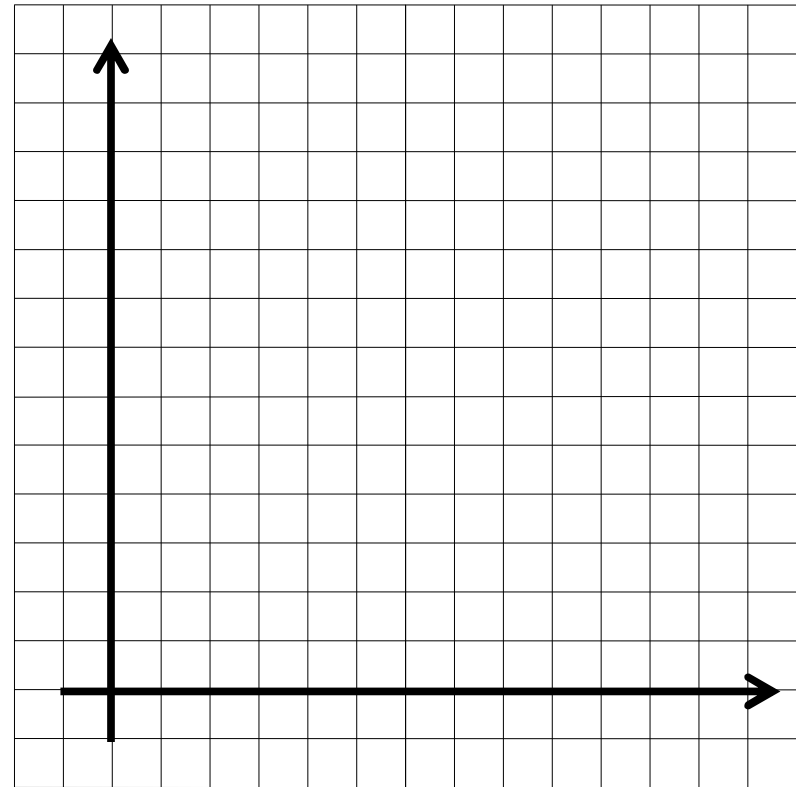
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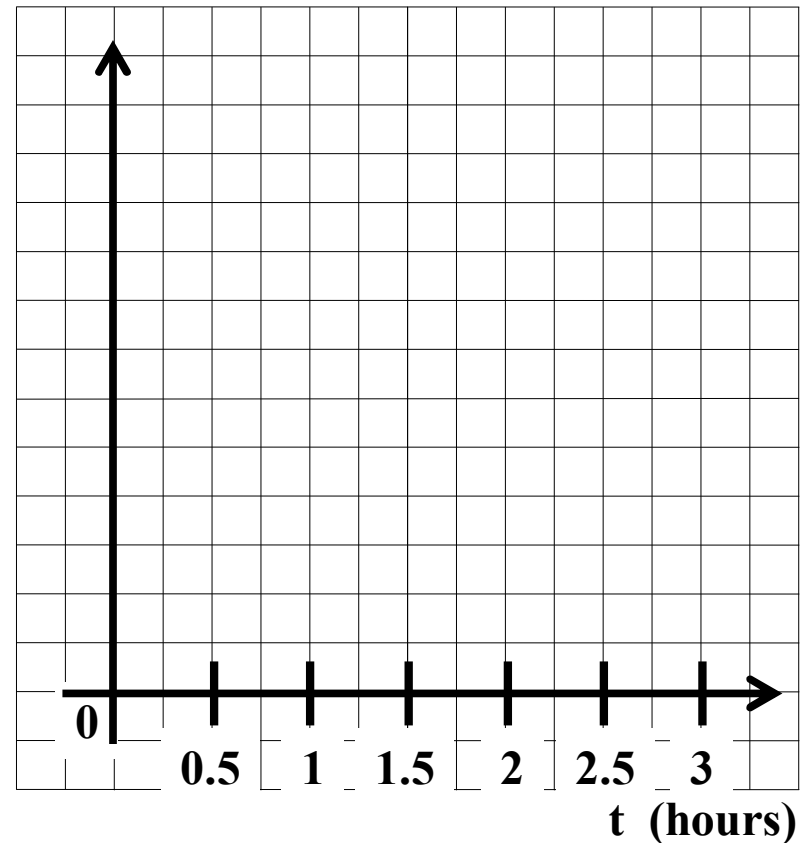
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1.5	15
2	20
2.5	25
3	30

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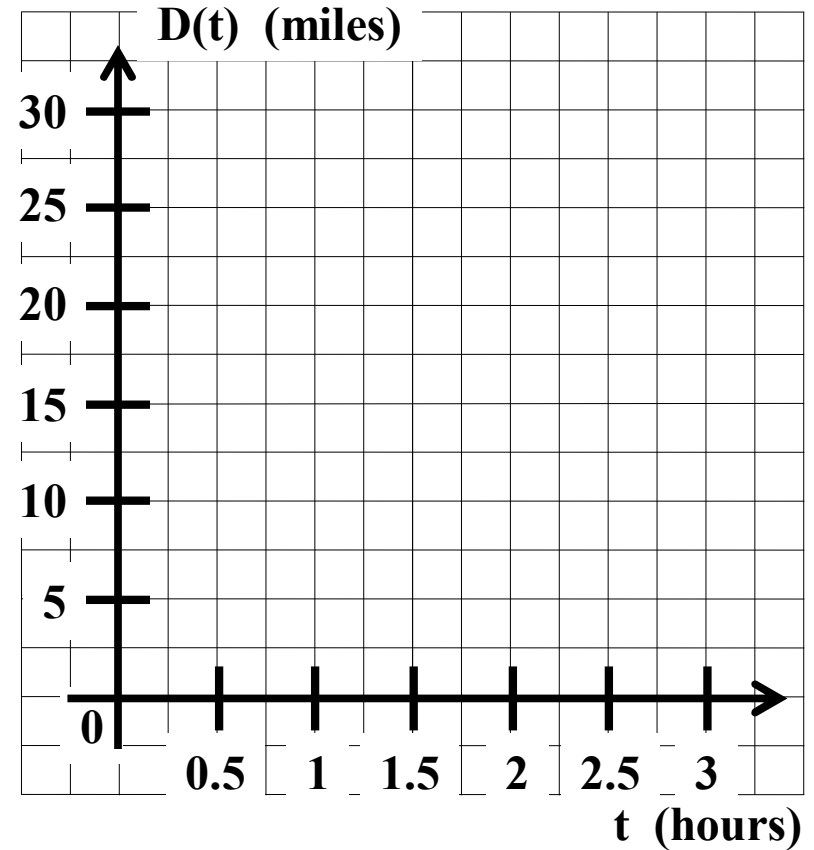
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1	10
1.5	15
2	20
2.5	25
3	30

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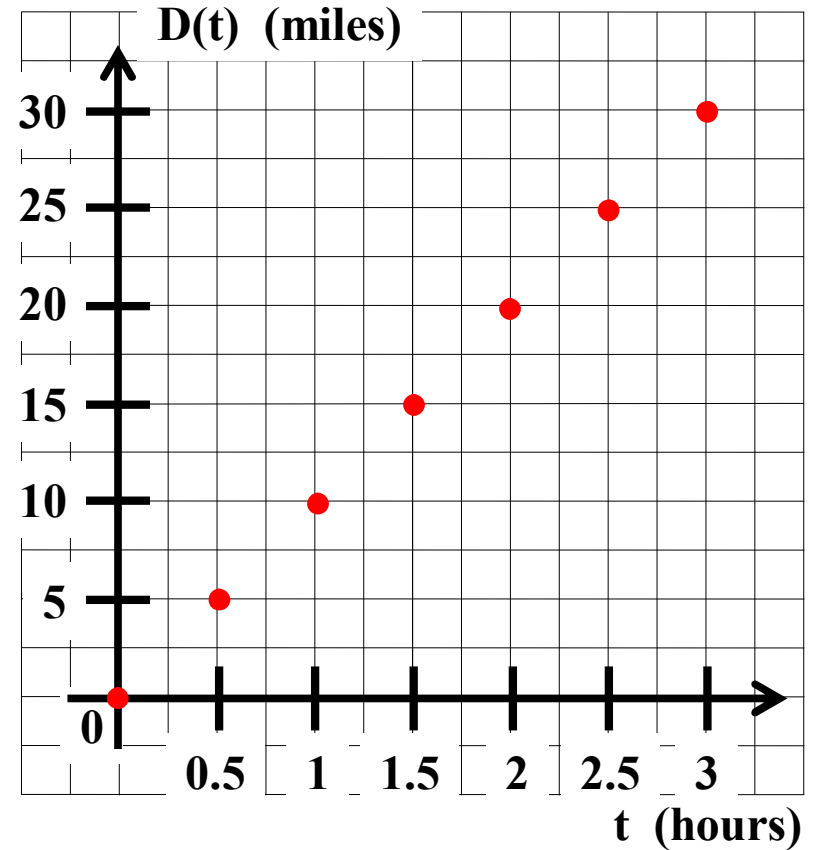
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1	10
1.5	15
2	20
2.5	25
3	30

9. Graph function D .



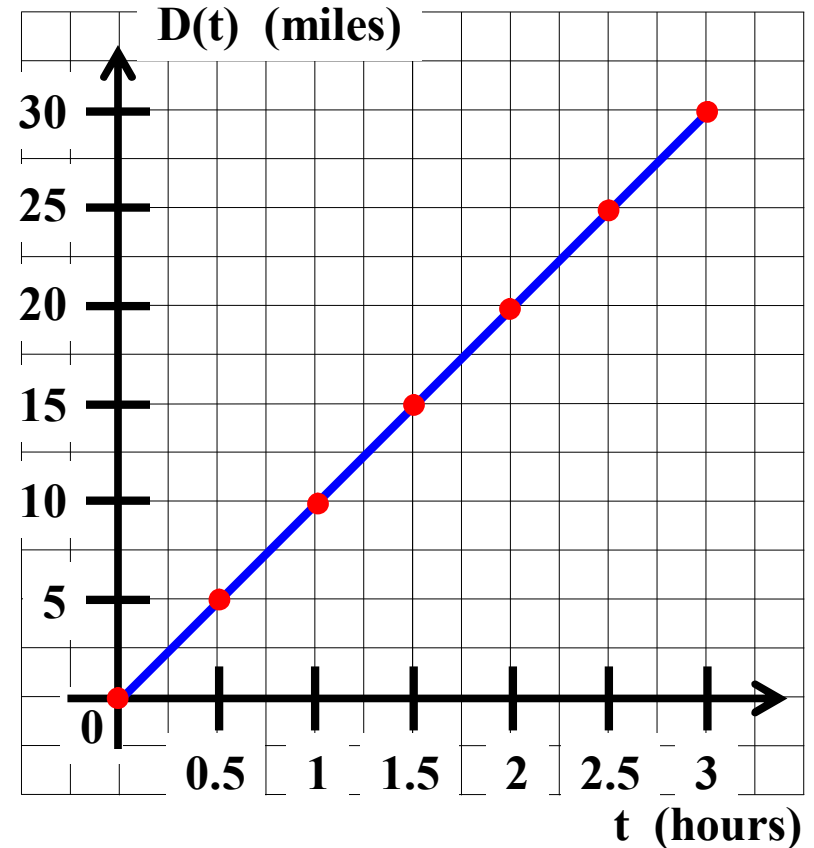
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1	10
1.5	15
2	20
2.5	25
3	30

9. Graph function D .



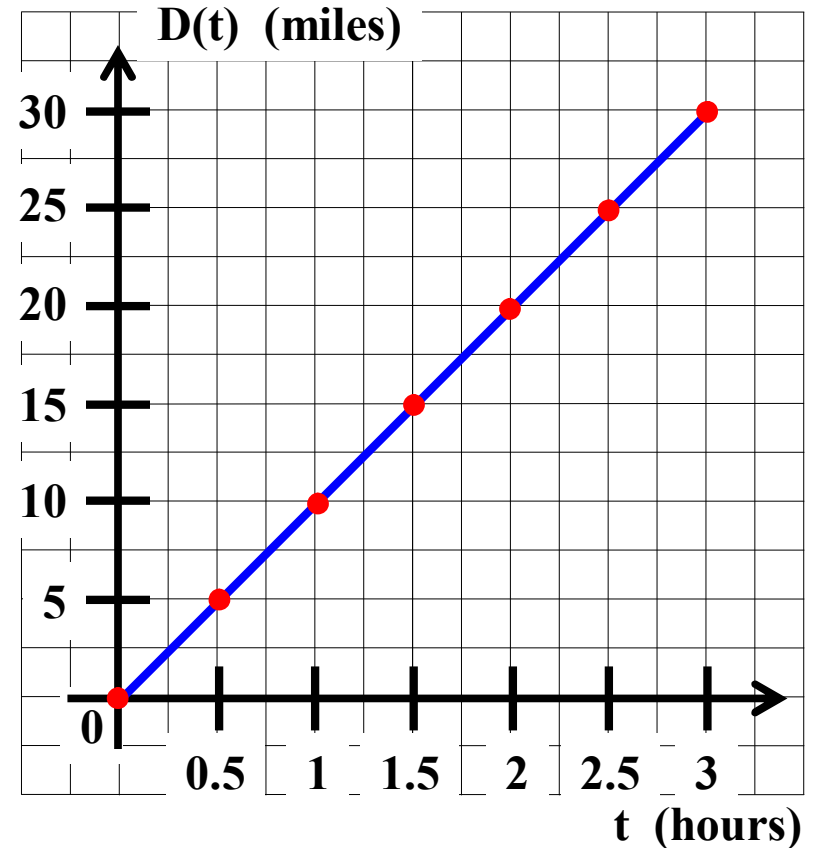
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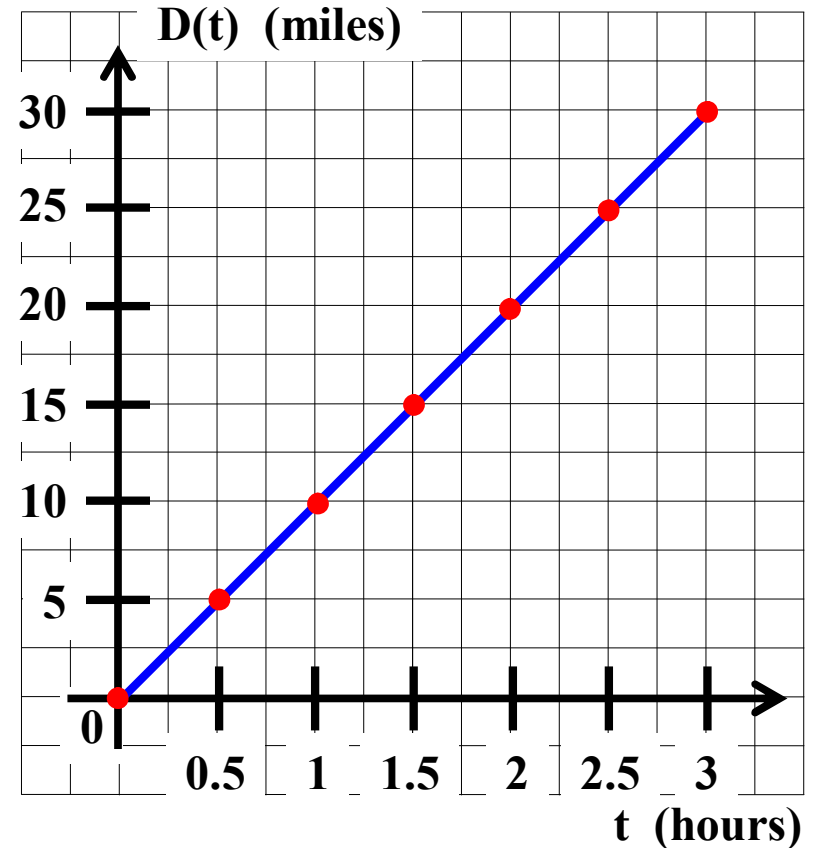
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t	$D(t)$
0	0
.5	5
1	10
1.5	15
2	20
2.5	25
3	30

9. Graph function D .



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

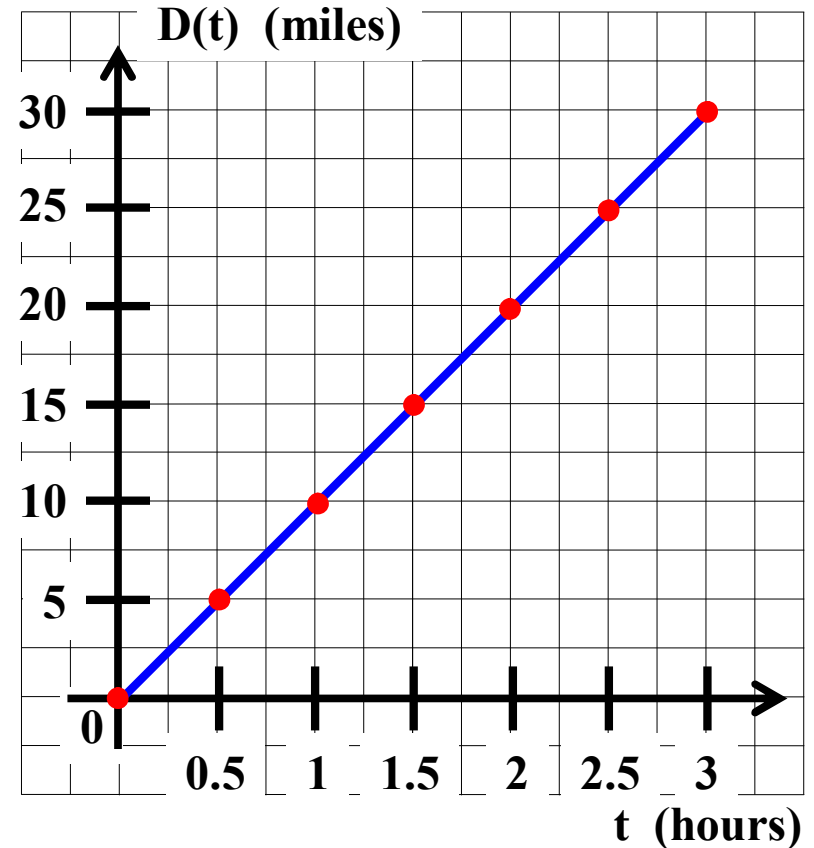
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9. Graph function D .



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$D(t)$

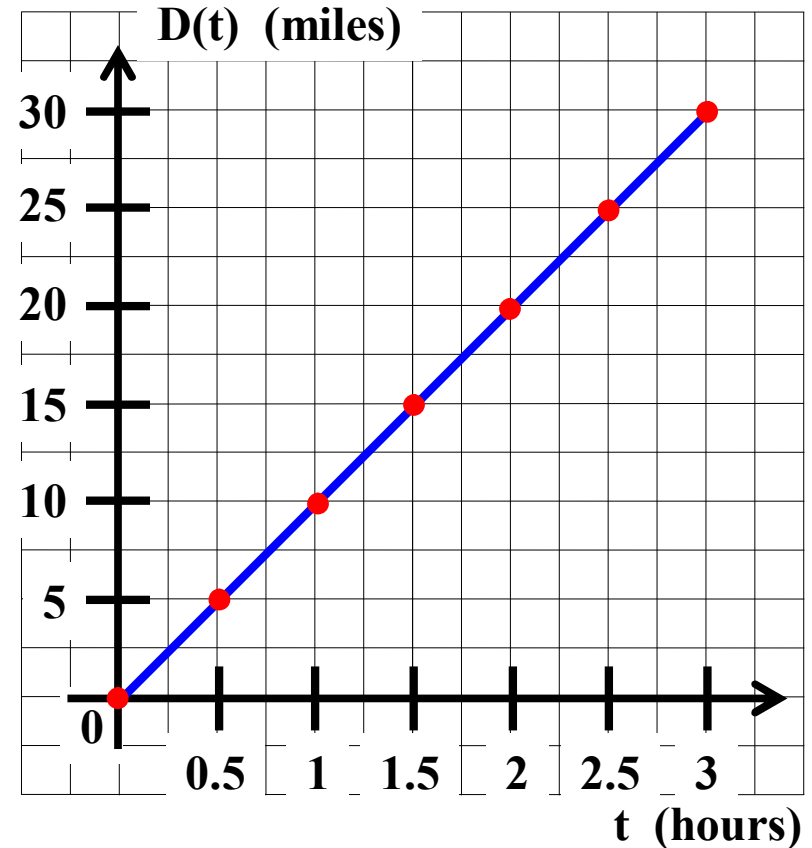
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0	0
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9. Graph function D .



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

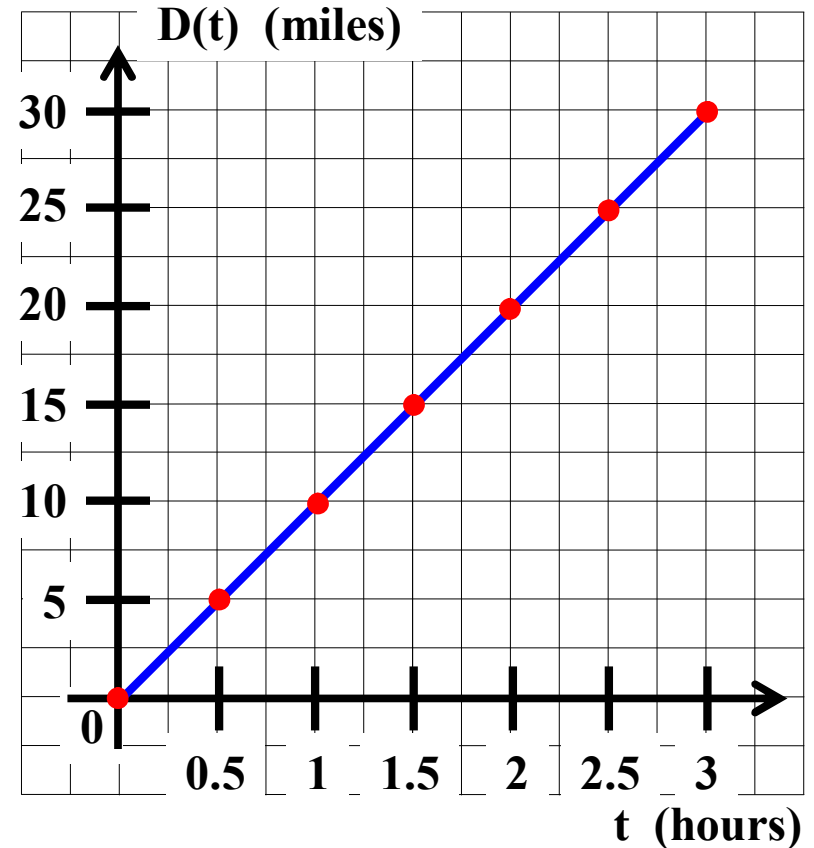
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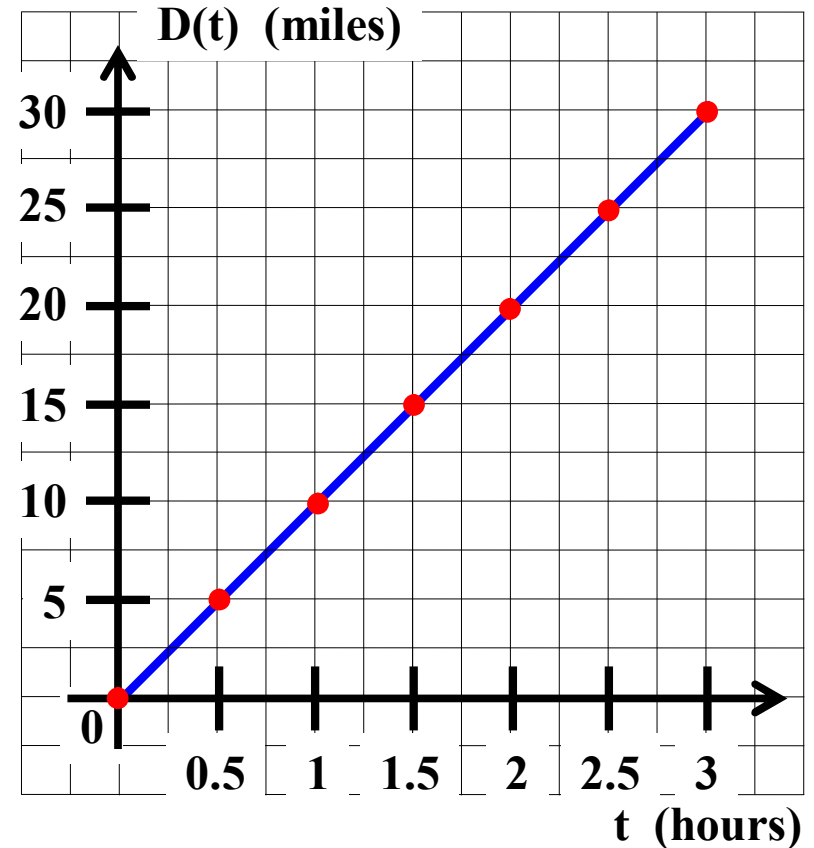
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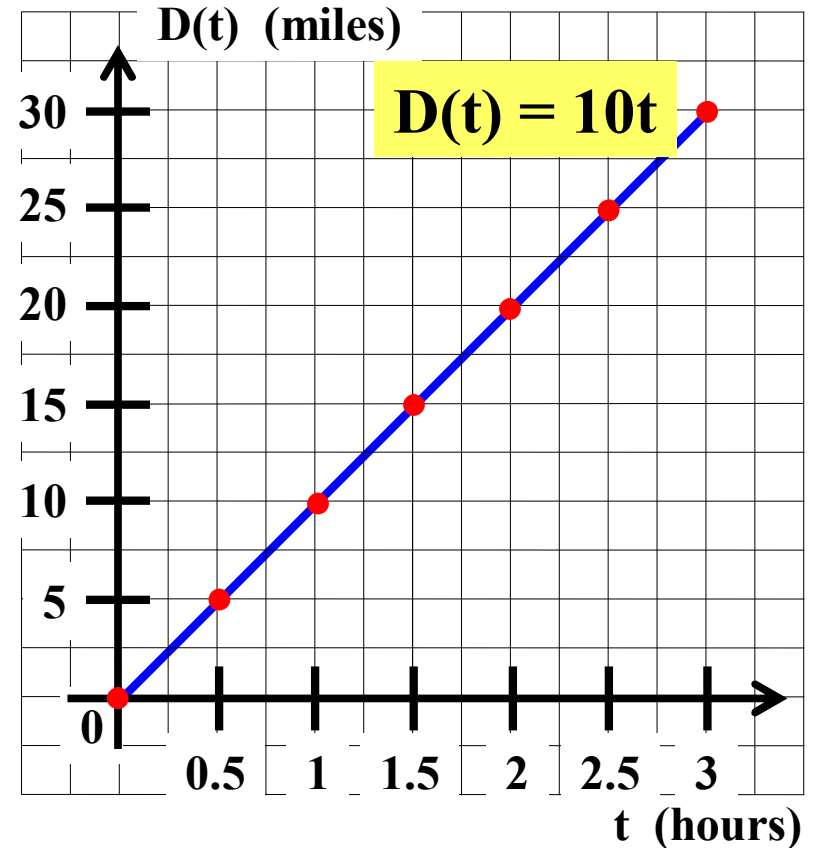
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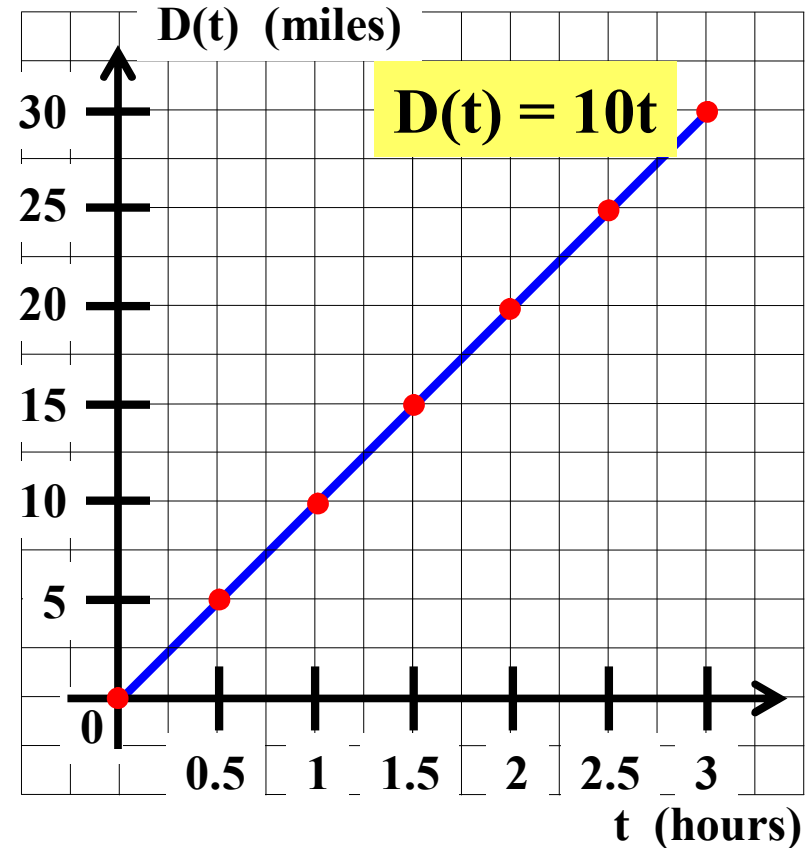
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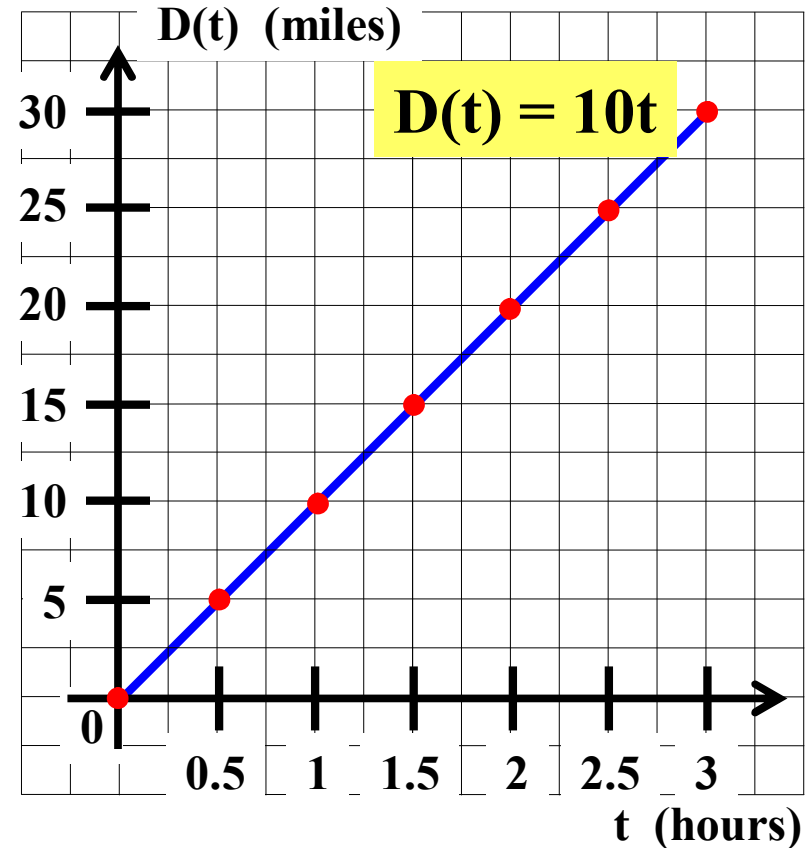
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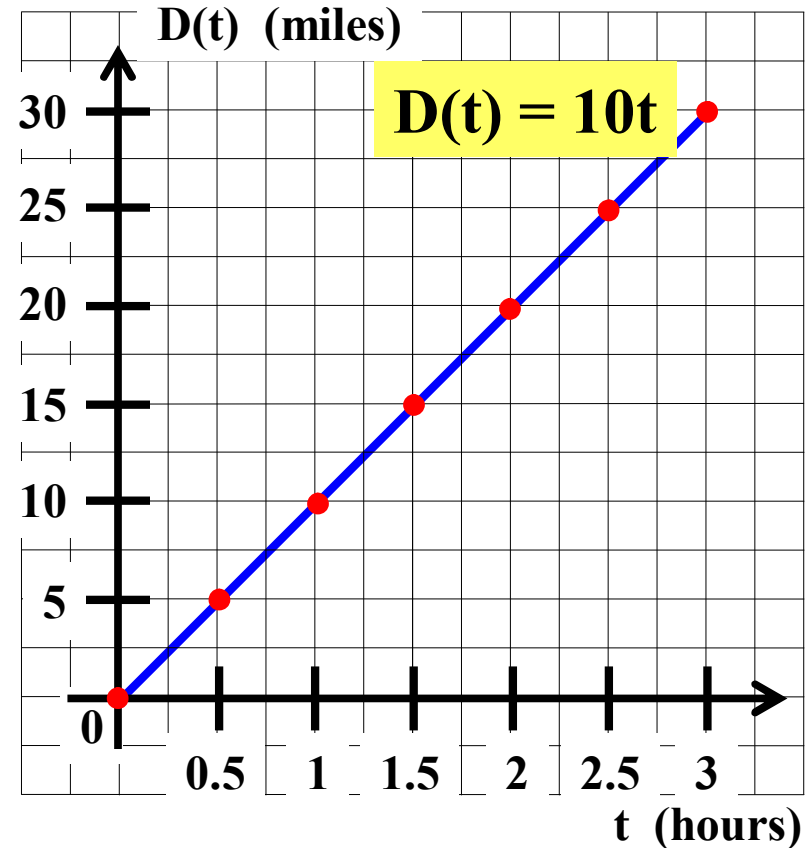
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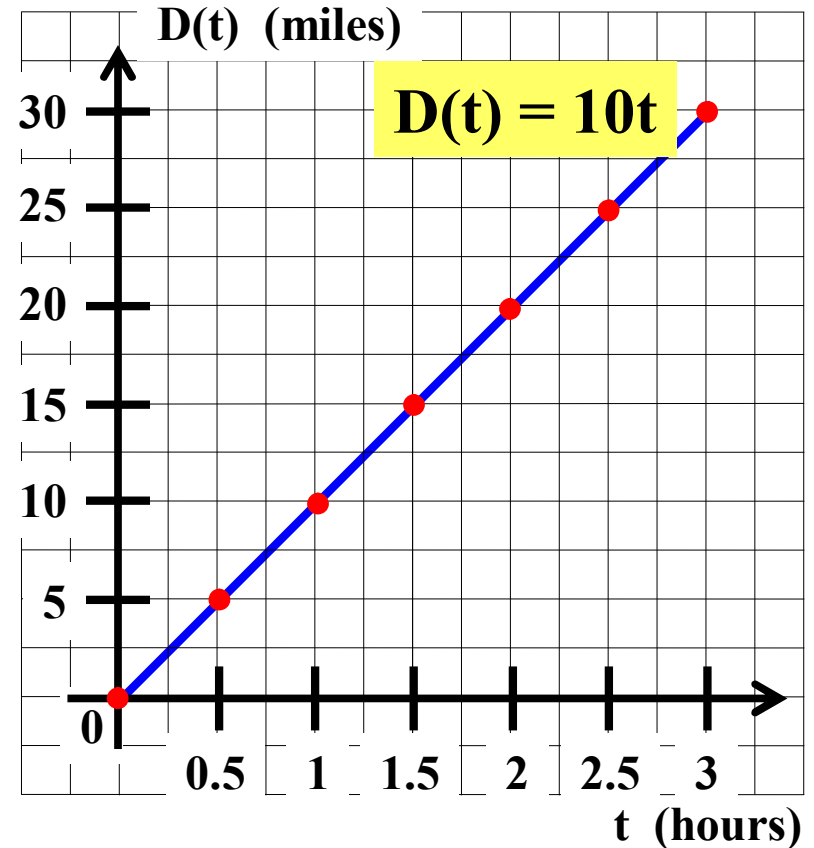
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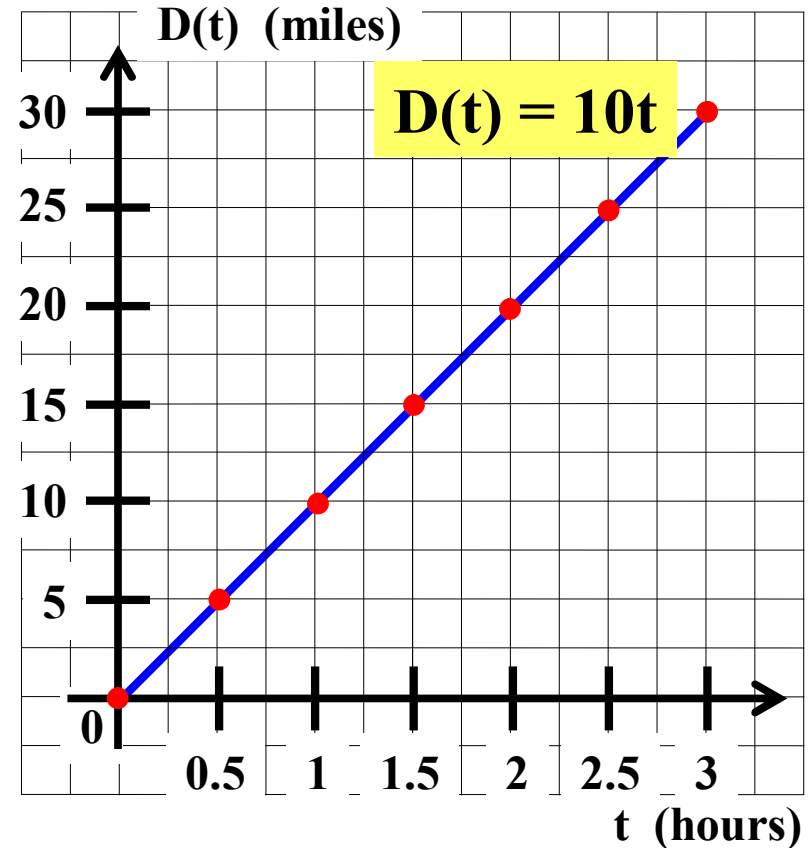
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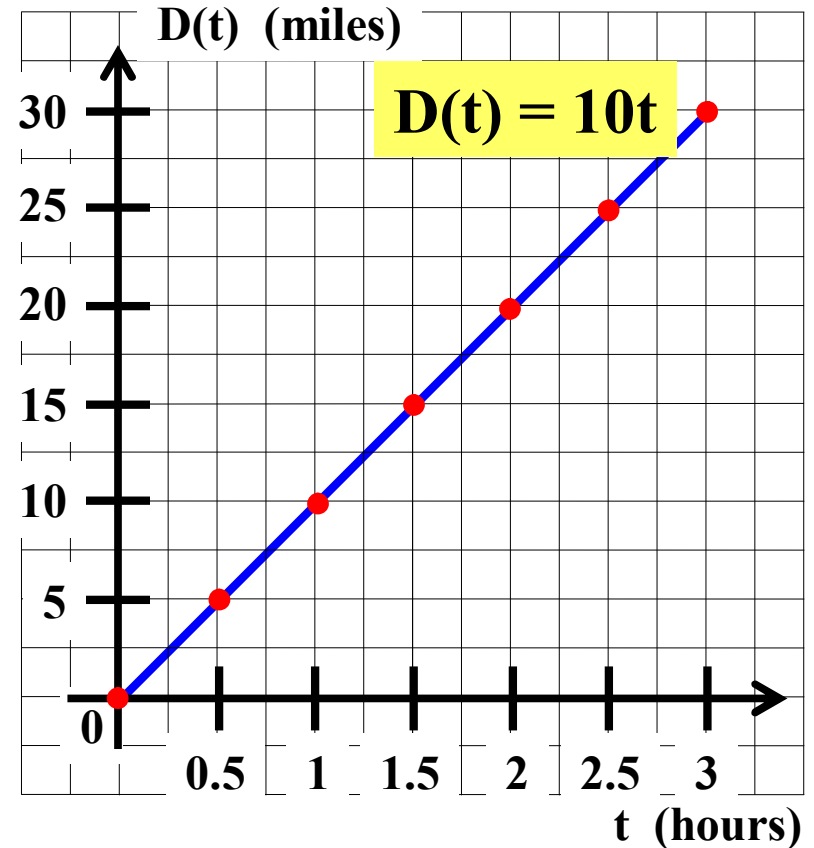
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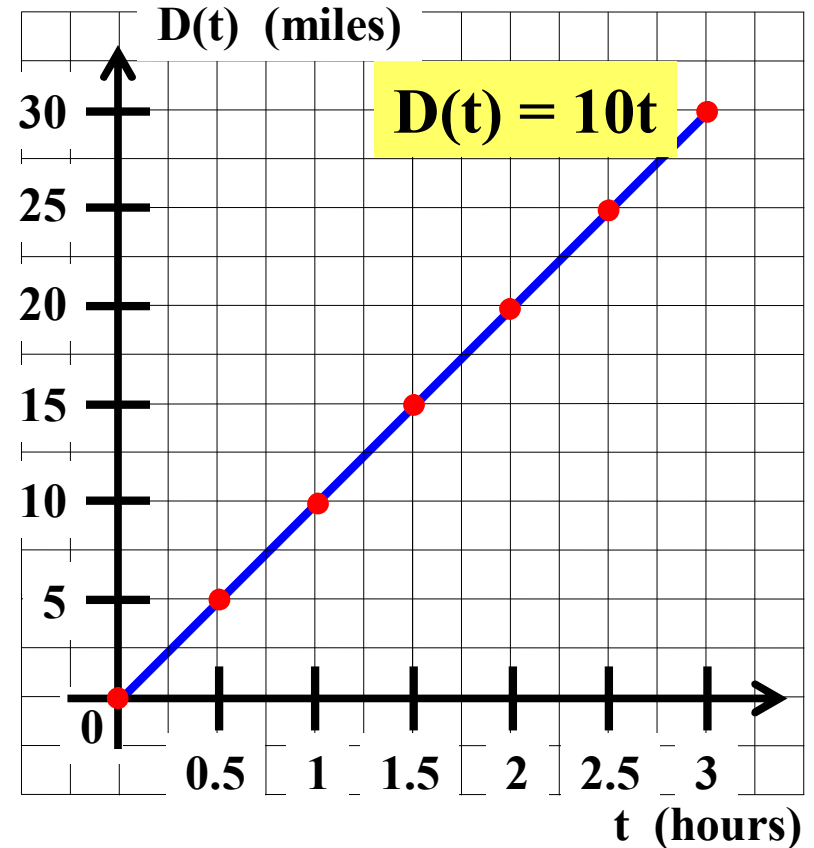
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General Algebra II CWS #3 Unit 6

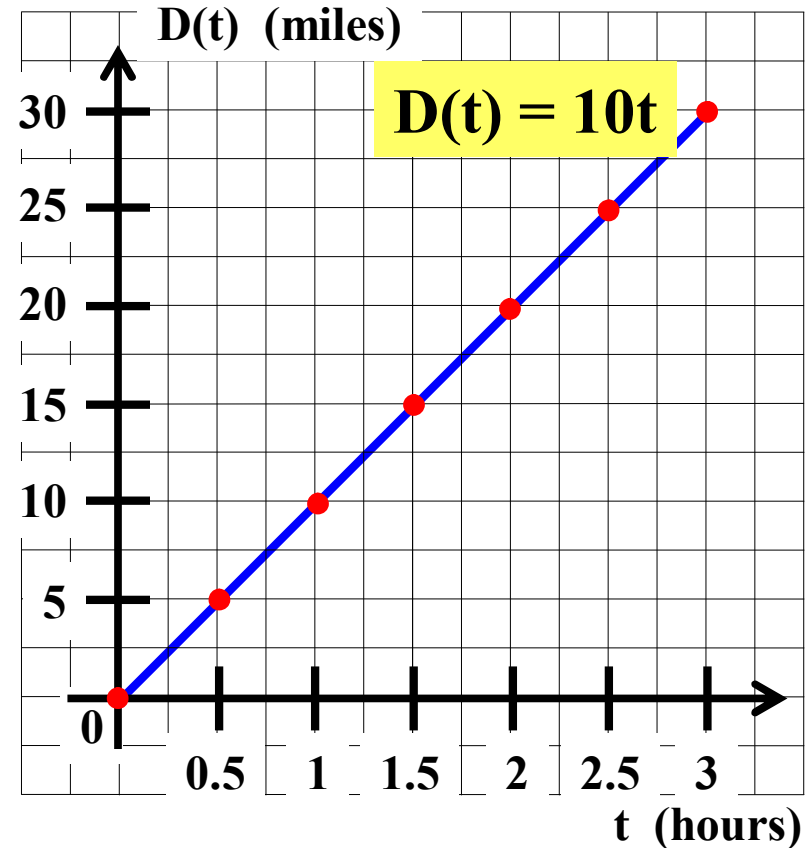
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General Algebra II CWS #3 Unit 6

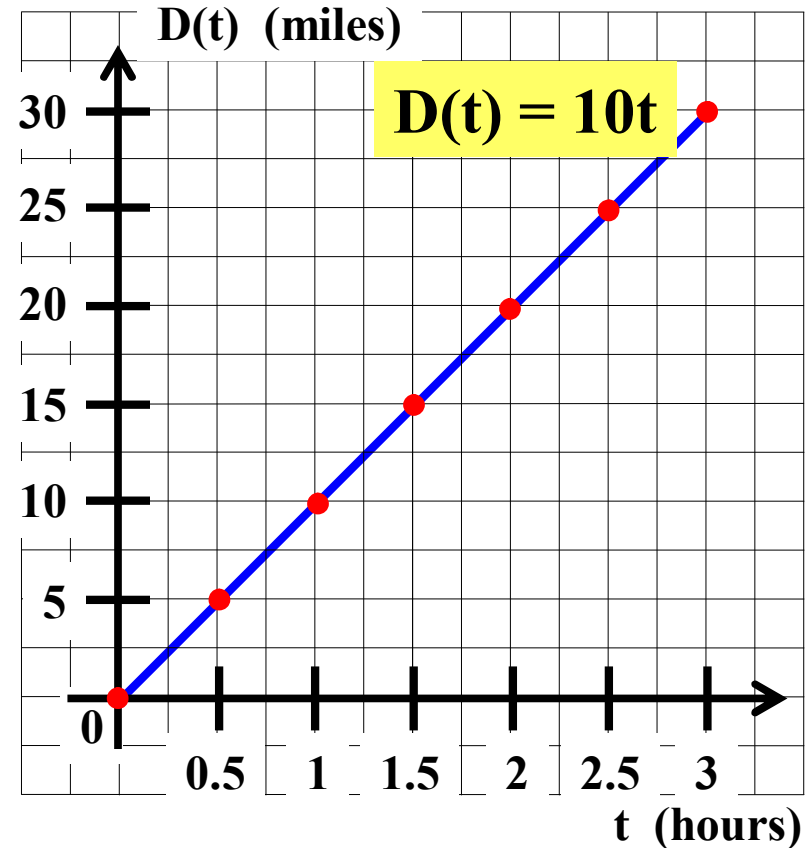
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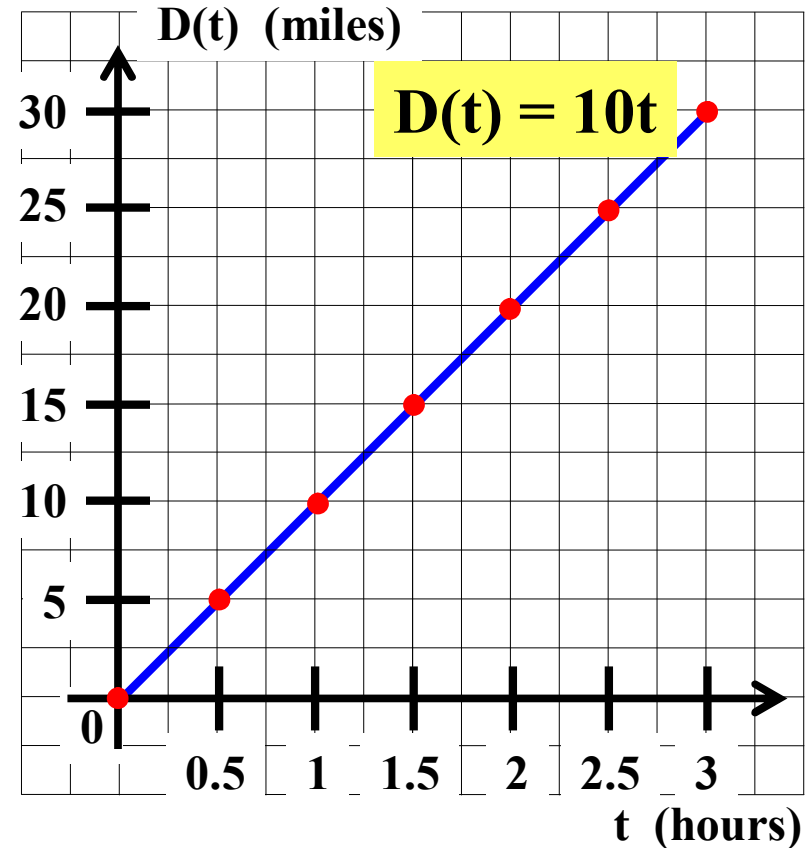
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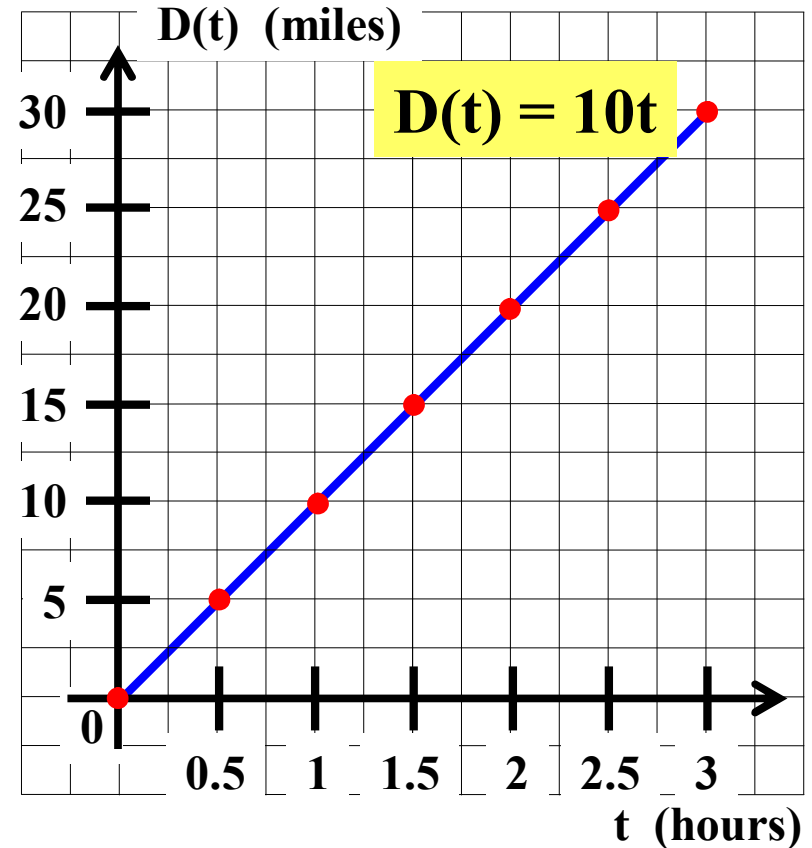
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12. What is the range of function D ?

$[0, 30]$

General Algebra II CWS #3 Unit 6

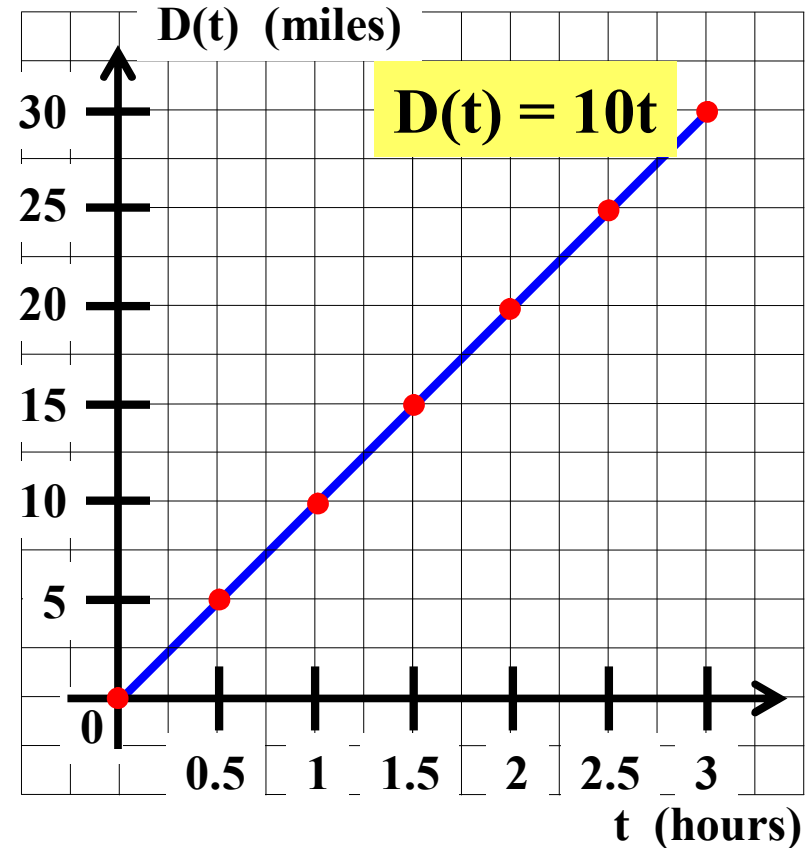
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12. What is the range of function D ?

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General Algebra II CWS #3 Unit 6

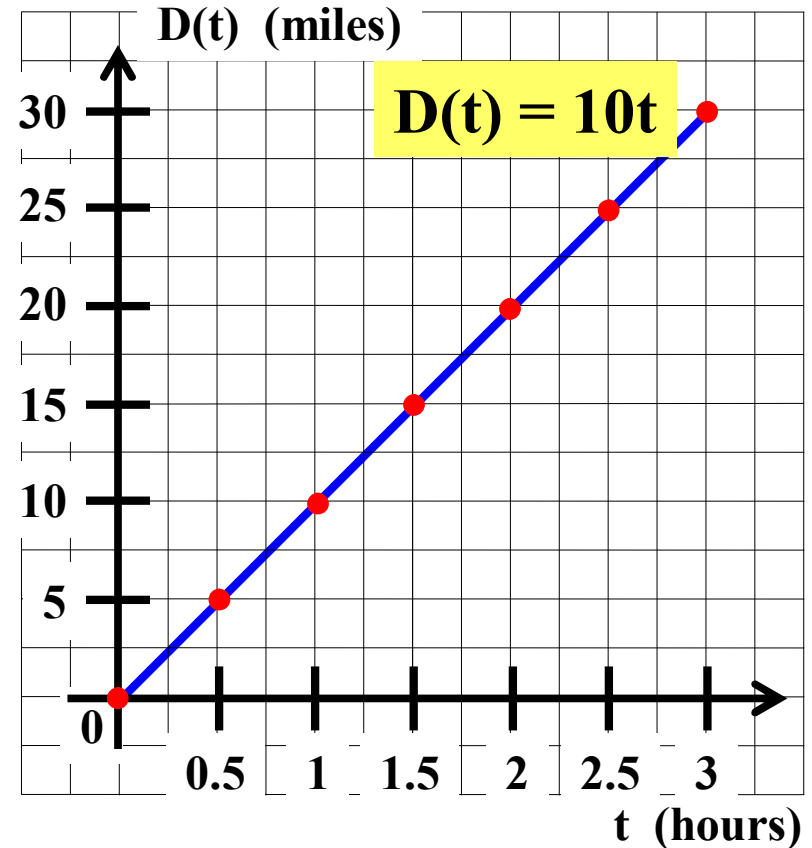
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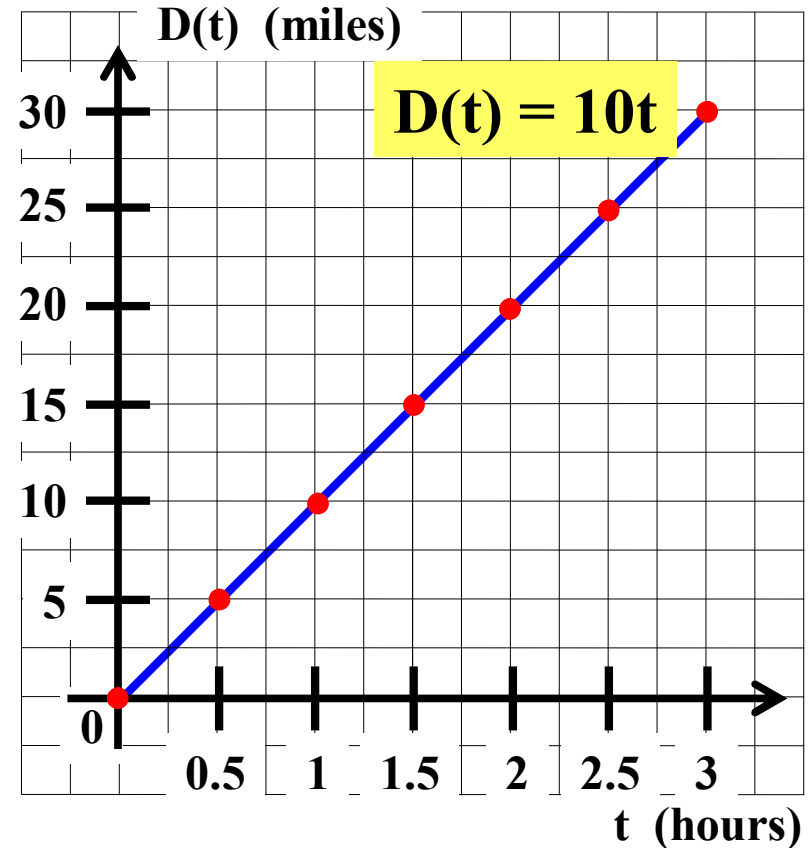
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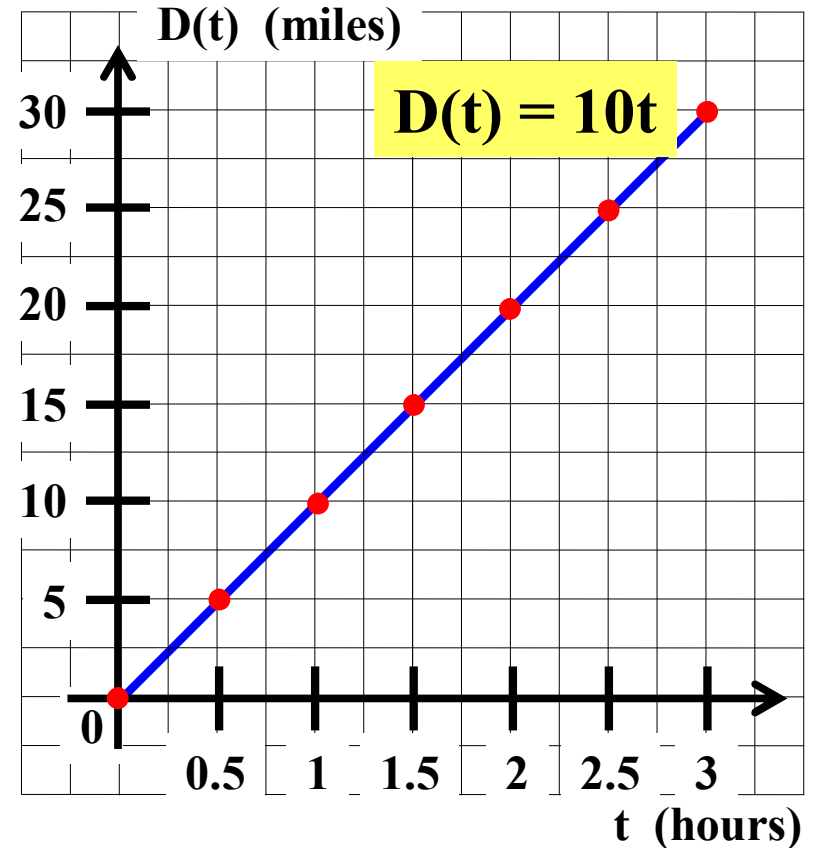
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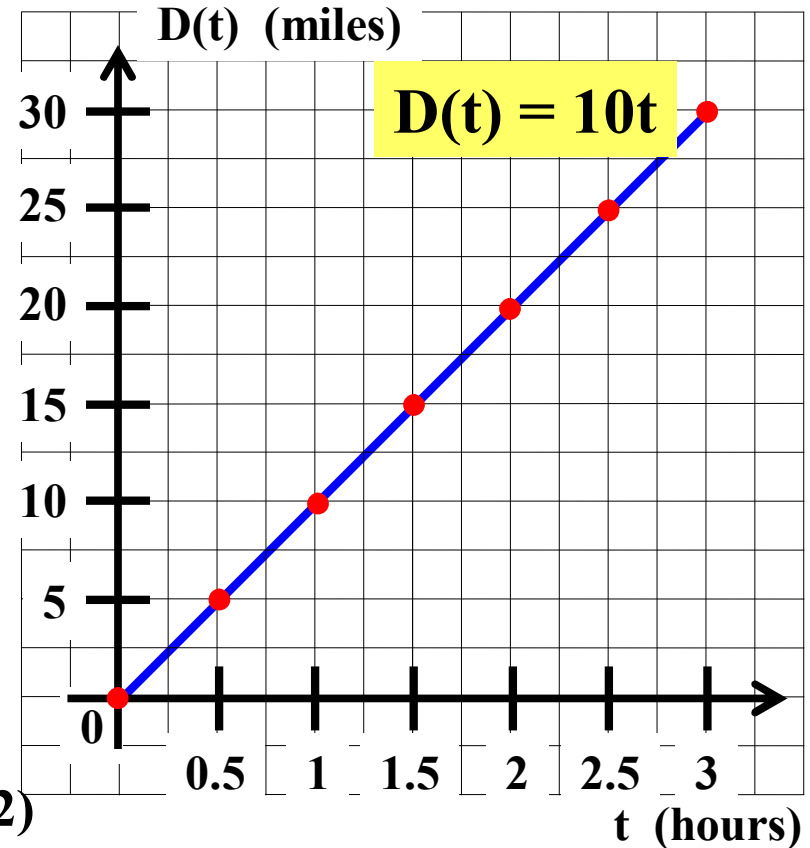
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13. Evaluate $D(1.2)$. What does $D(1.2)$ represent in terms of the problem?

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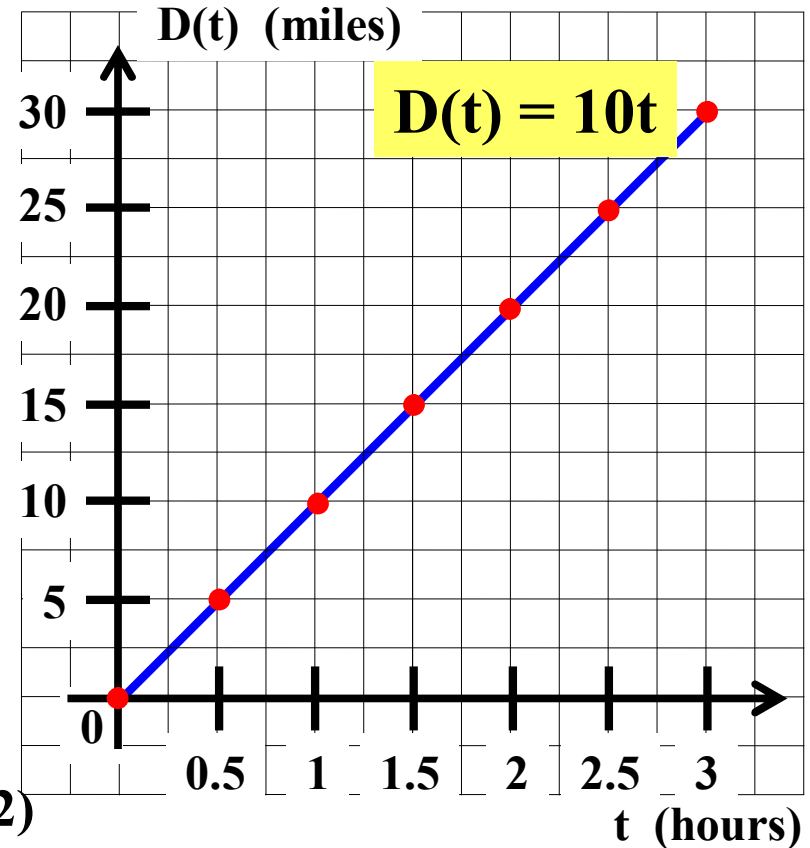
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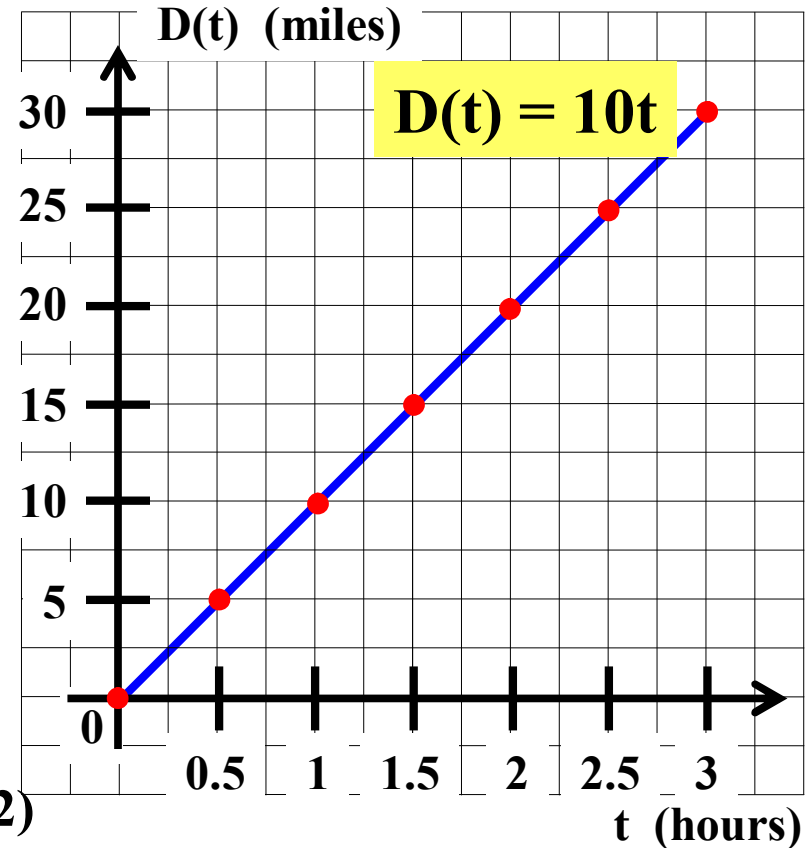
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$$D(1.2) =$$

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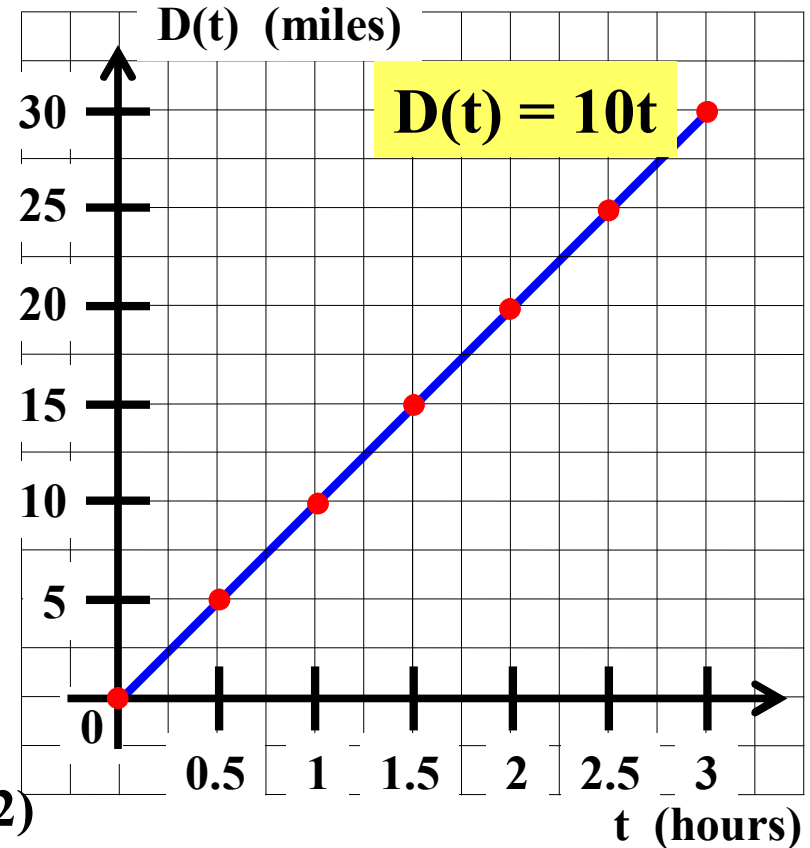
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13. Evaluate $D(1.2)$. What does $D(1.2)$ represent in terms of the problem?

$$D(1.2) =$$

$$D(1.2) = 10(1.2)$$

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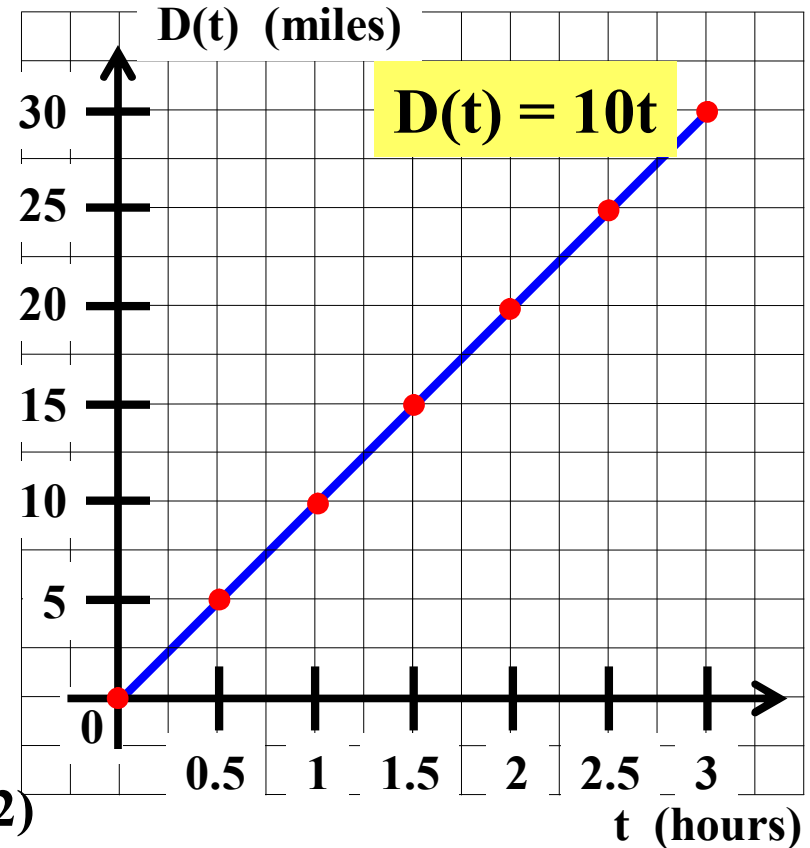
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13. Evaluate $D(1.2)$. What does $D(1.2)$ represent in terms of the problem?

$$D(1.2) = 12$$

$$D(1.2) = 10(1.2)$$

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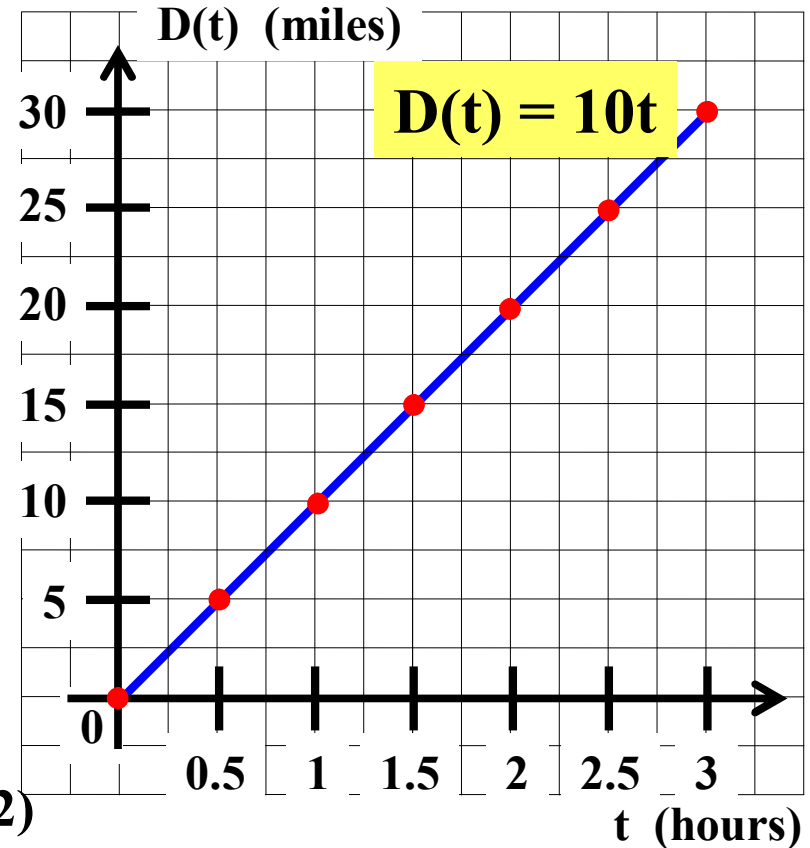
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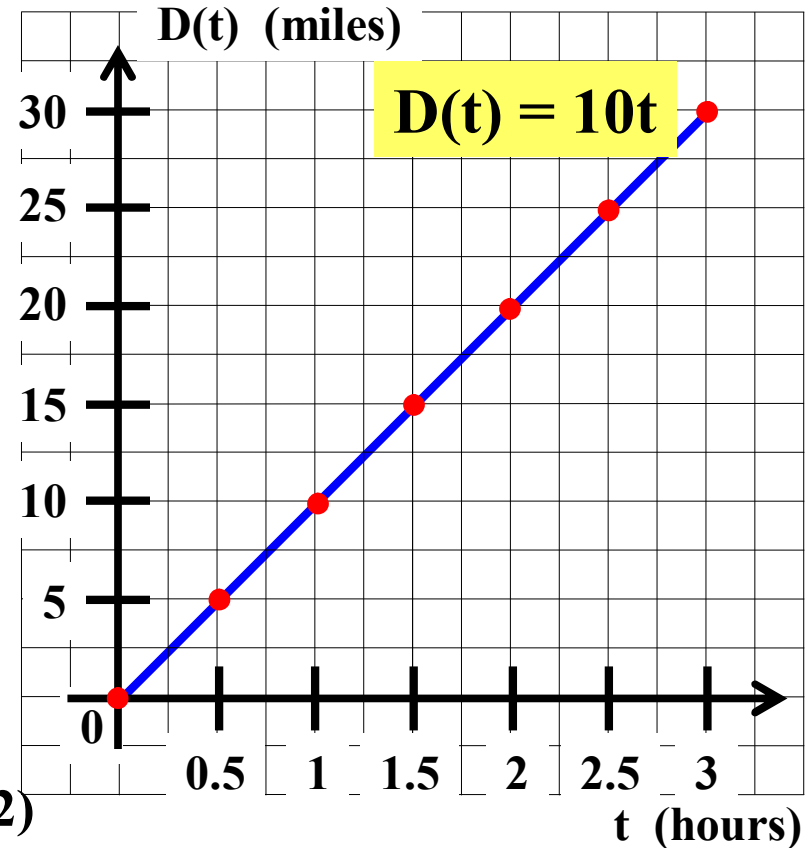
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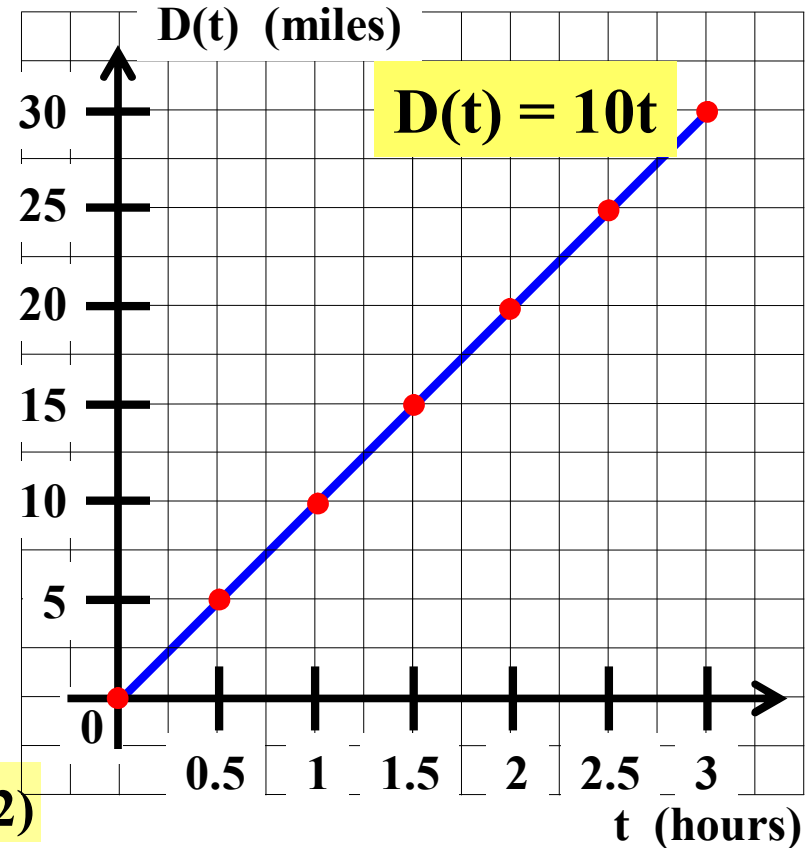
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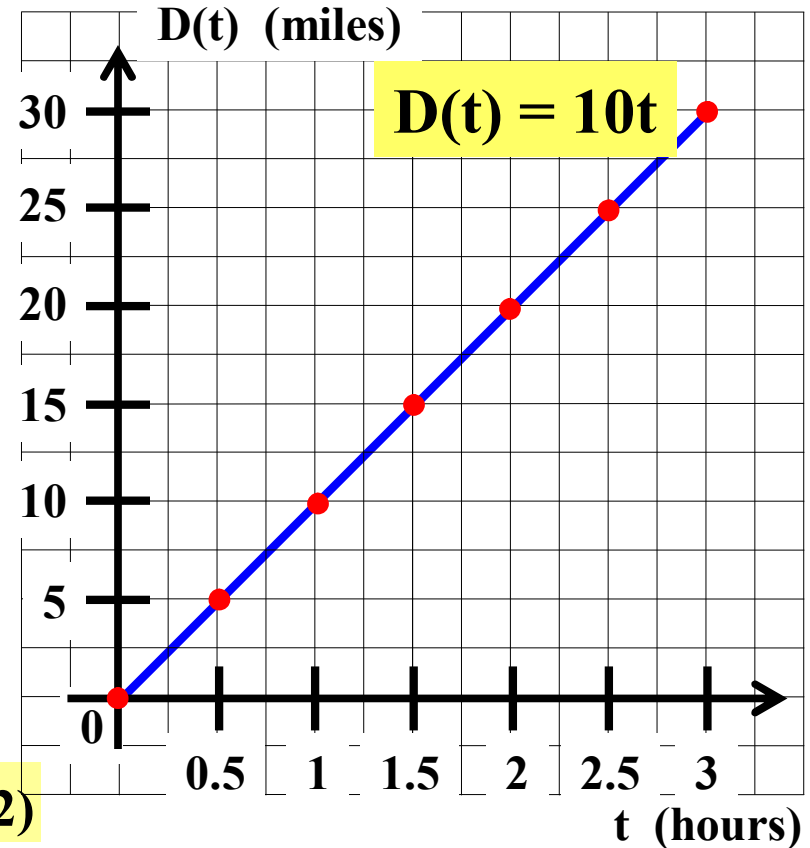
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13. Evaluate $D(1.2)$. What does $D(1.2)$ represent in terms of the problem?

$D(1.2) = 12$ miles $D(1.2)$ represents the distance Mary biked.

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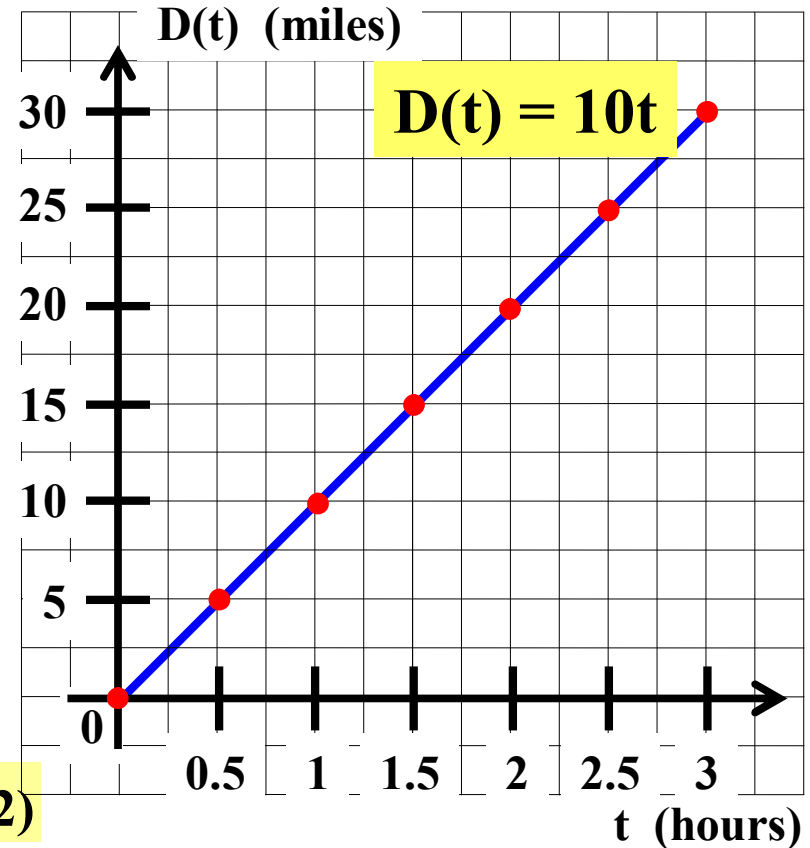
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9. Graph function D .



13. Evaluate $D(1.2)$. What does $D(1.2)$ represent in terms of the problem?

$D(1.2) = 12$ miles $D(1.2)$ represents the distance Mary biked in 1.2 hours.

General Algebra II CWS #3 Unit 6

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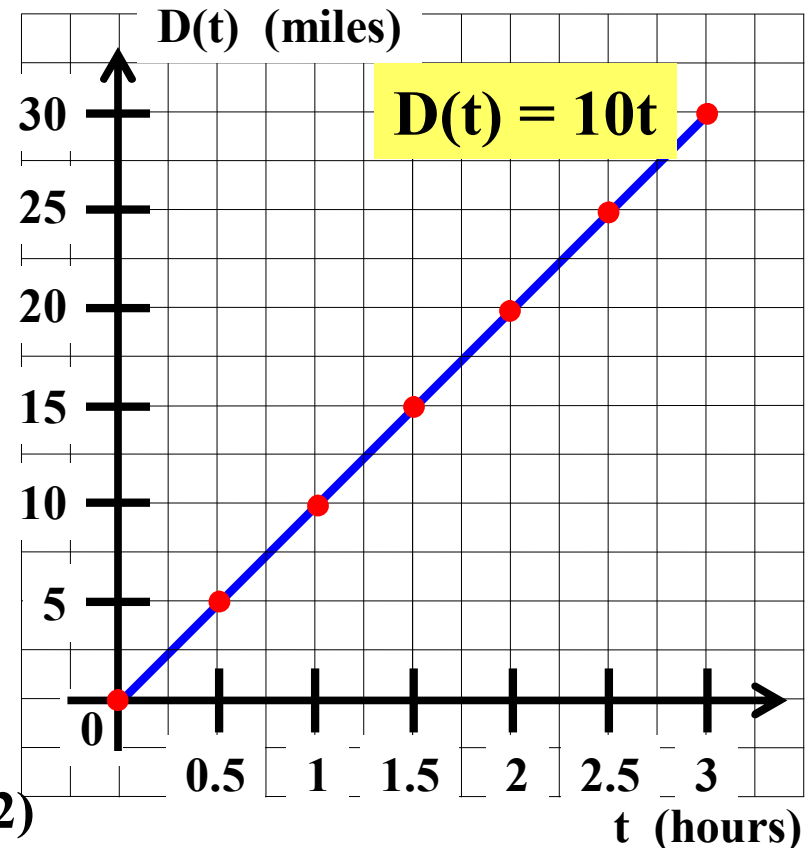
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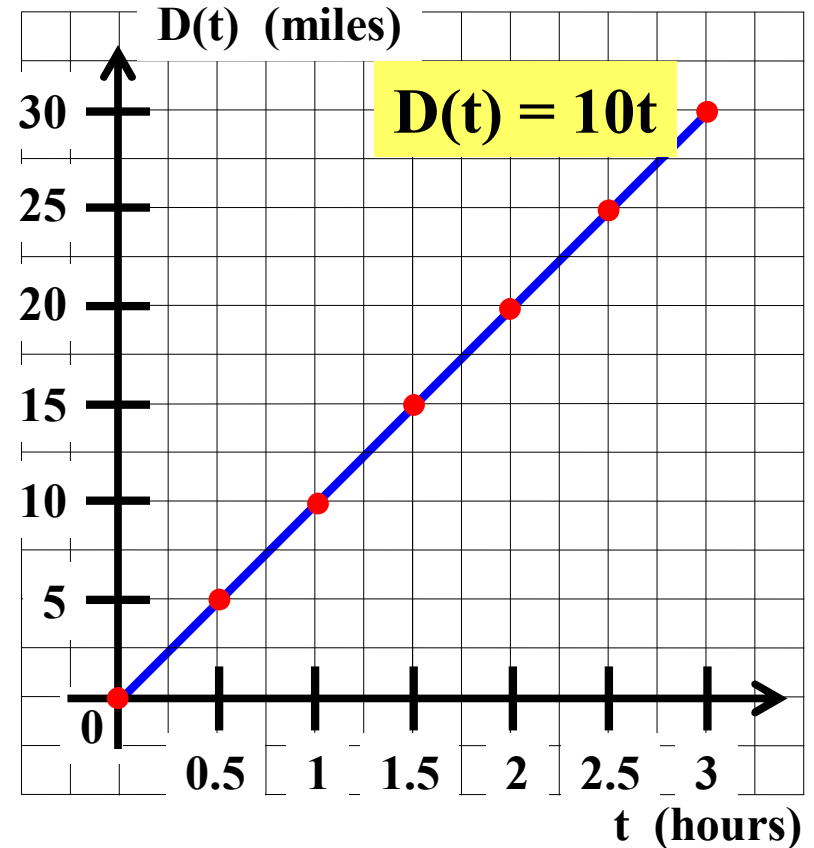
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General Algebra II CWS #3 Unit 6

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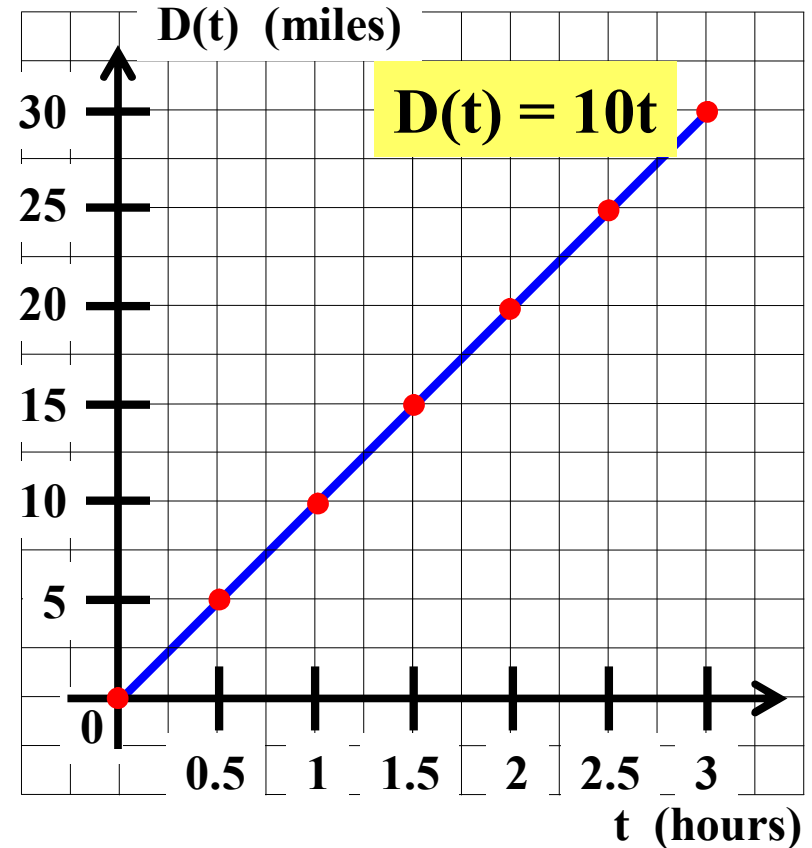
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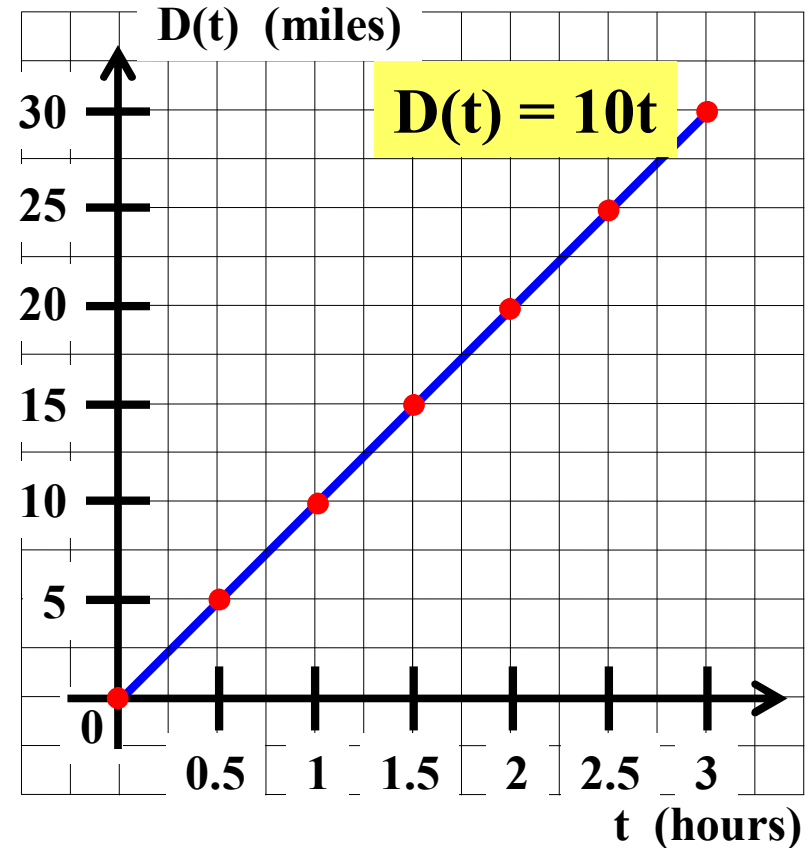
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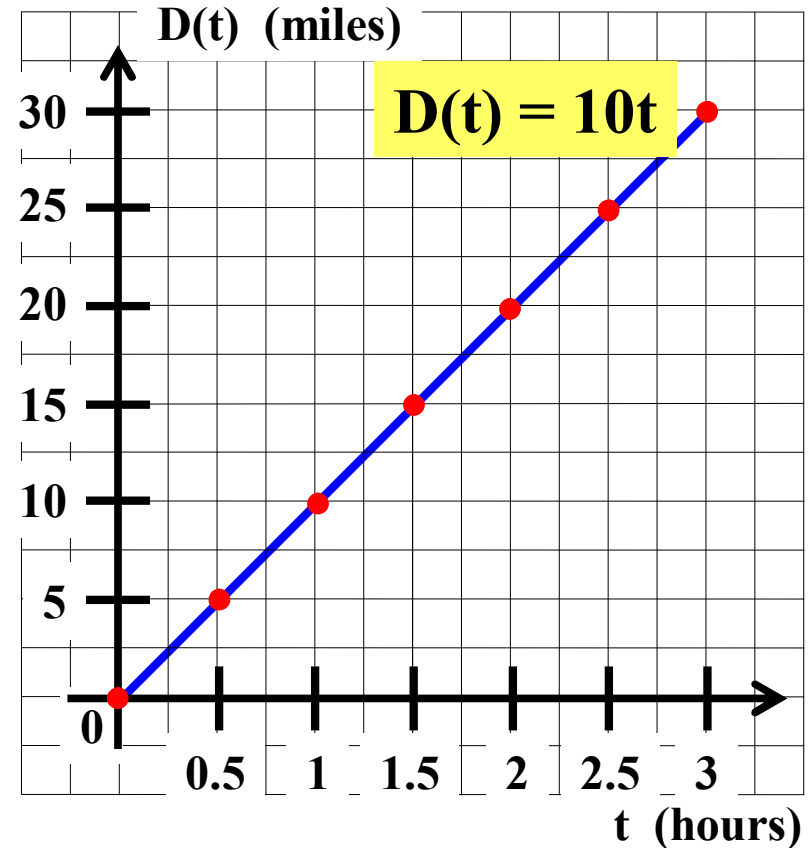
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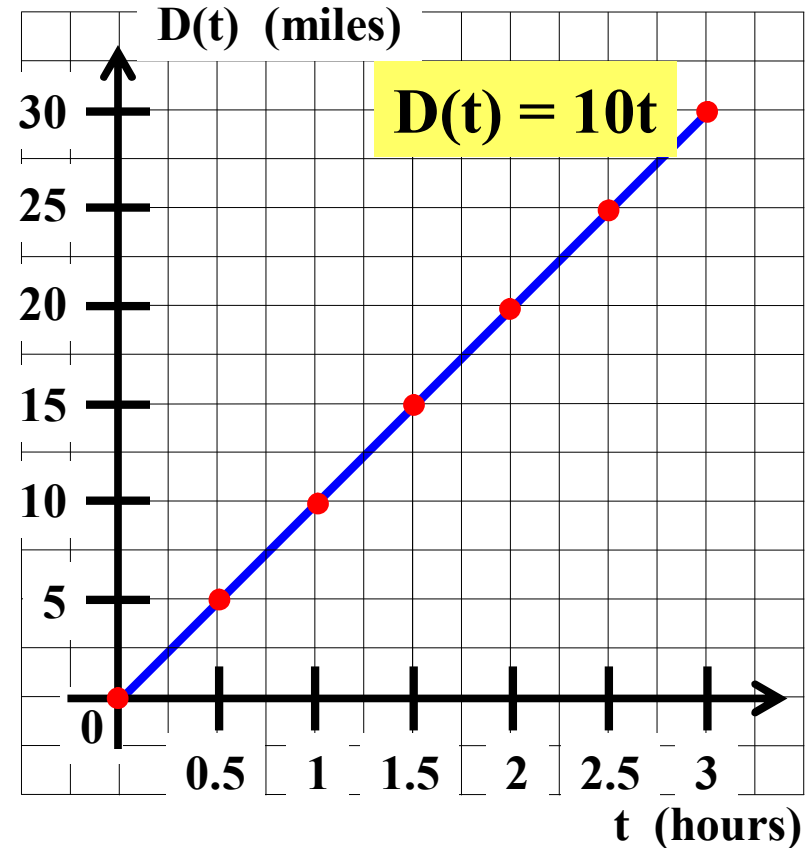
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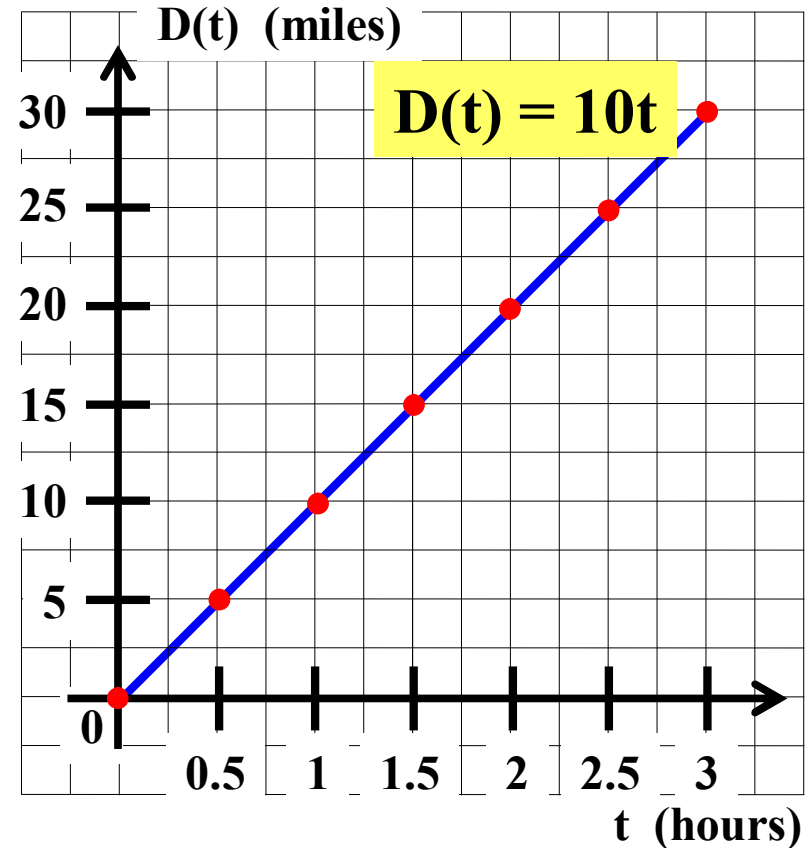
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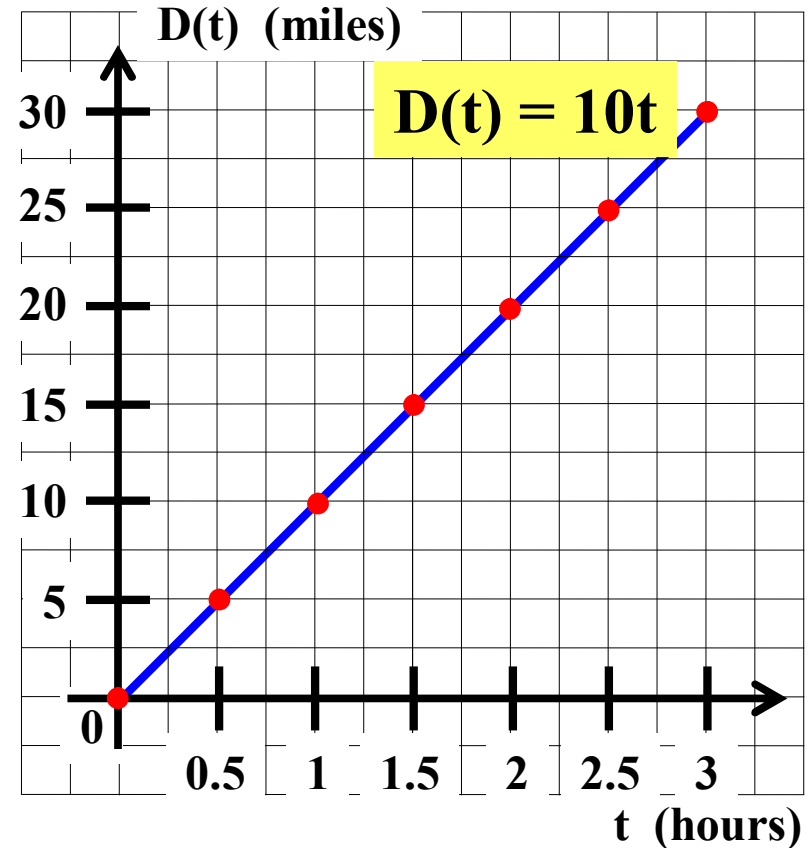
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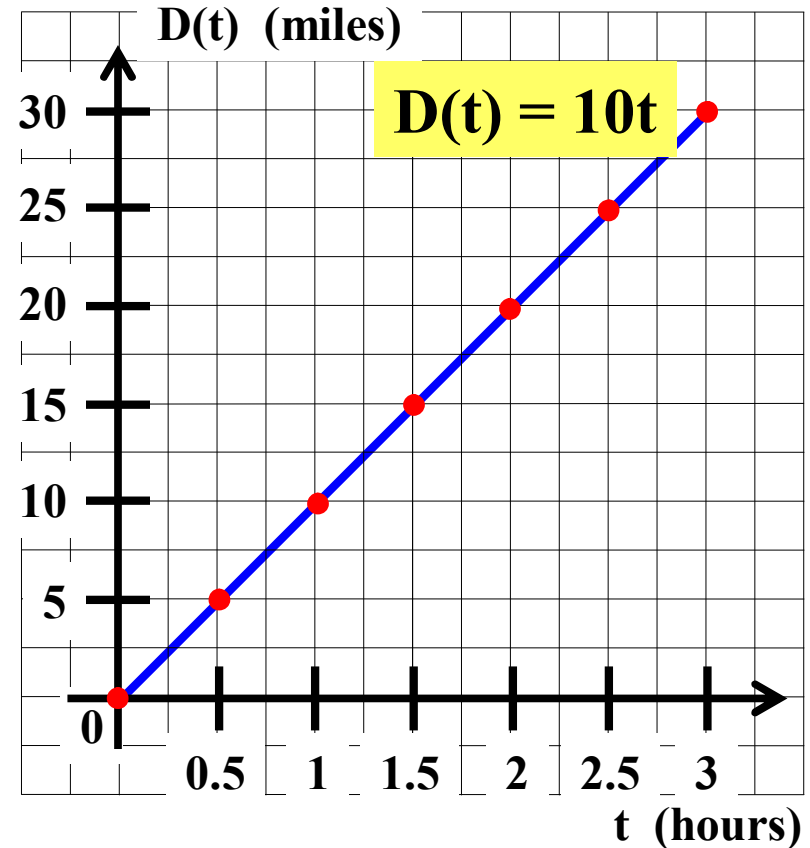
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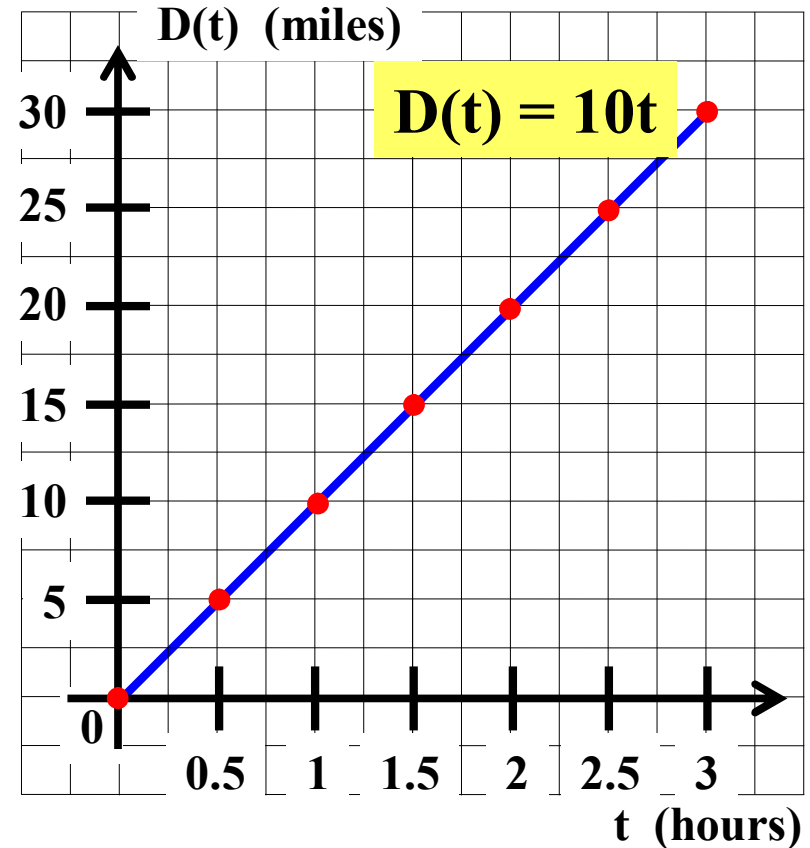
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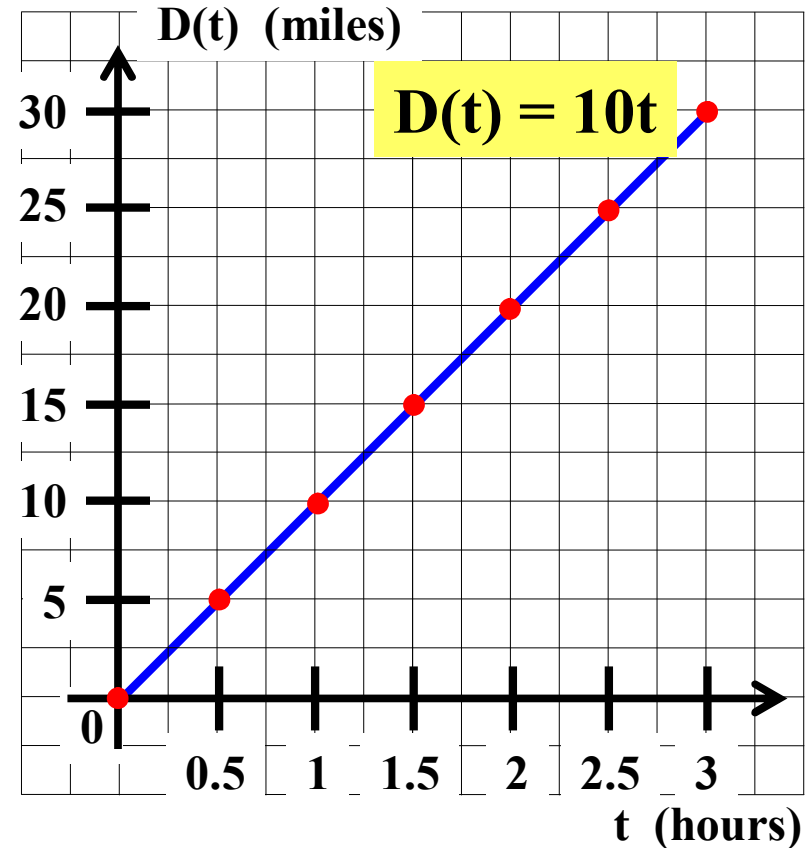
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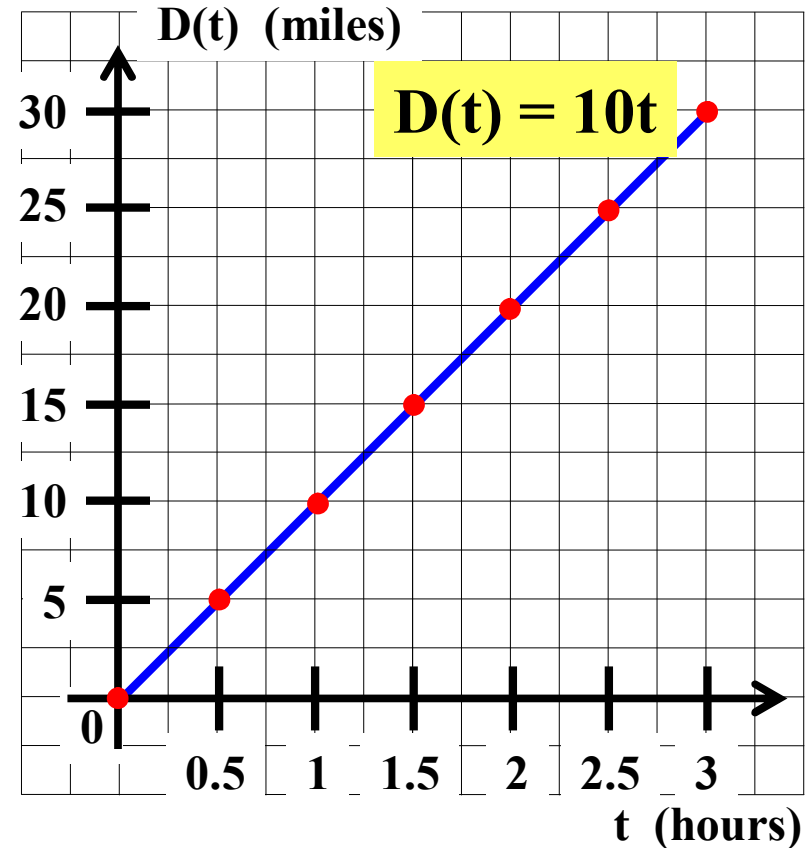
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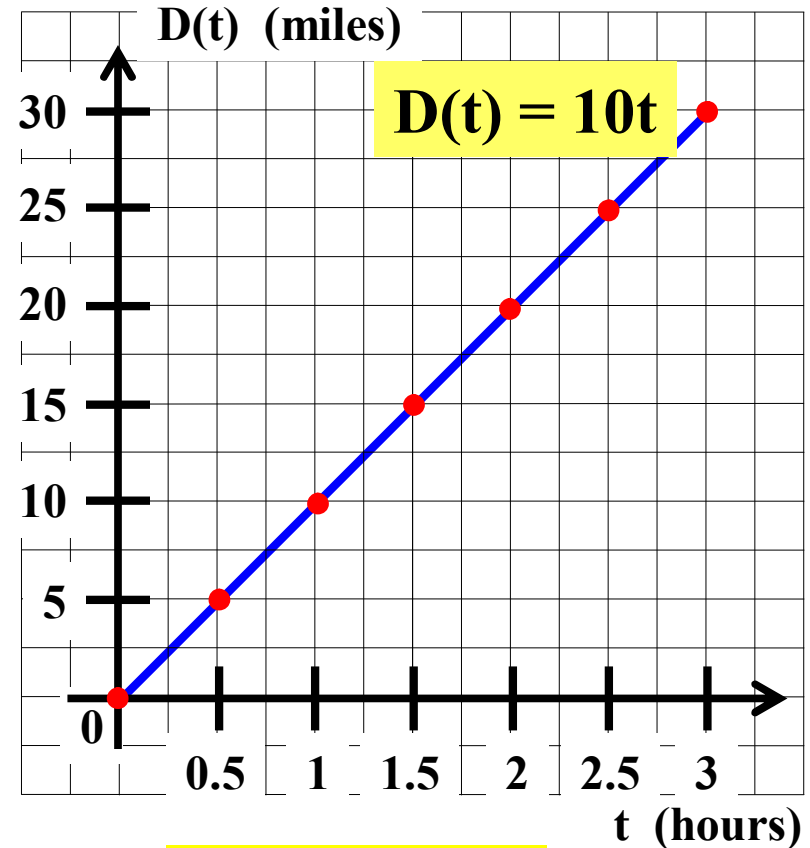
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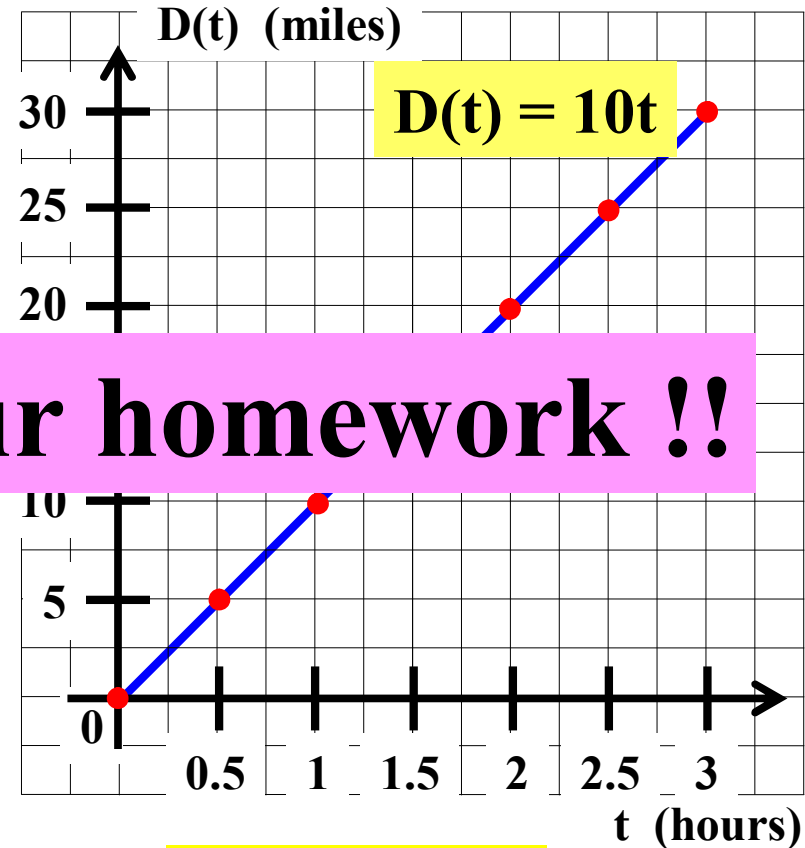
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