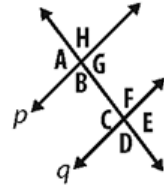
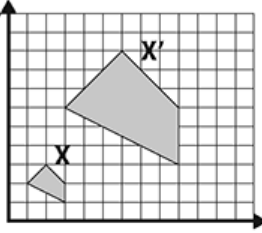
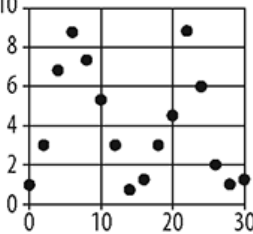
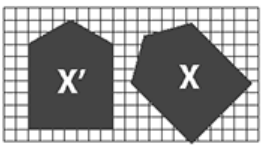
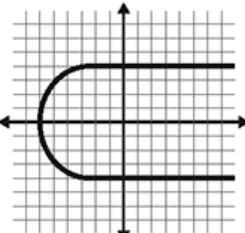
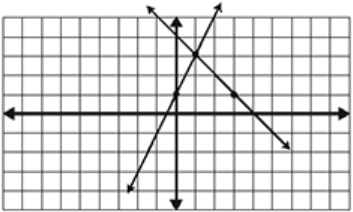


B Quiz #21

<p>1.</p> <p>8.G.9</p> $V = 64\pi \text{ ft}^3$	<p>2.</p> <p>8.G.5</p>  <p>$\angle G$ and $\angle C$ $\angle B$ and $\angle F$</p> <p>$p \parallel q$</p>
<p>3.</p> <p>8.EE.7</p> $m = -57$	<p>4.</p> <p>8.G.3</p>  <p>scale factor of 3</p>
<p>5.</p> <p>8.EE.4</p> 2.108×10^{-1}	<p>6.</p> <p>8.EE.3</p> 2.9×10^5
<p>7.</p> <p>8.EE.6</p> <p>A) zero B) undefined C) positive D) negative</p>	<p>8.</p> <p>8.EE.1</p> $\frac{1}{729}$
<p>9.</p> <p>8.SP.1</p>  <p>The data is not clustered. You can't draw a line of best fit.</p>	<p>10.</p> <p>8.G.2</p>  <p>rotate 45° counterclockwise translate left</p>
<p>11.</p> <p>8.F.1</p>  <p>two output values per input value or vertical line intersects graph more than once</p>	<p>12.</p> <p>8.EE.8</p>  <p>(1, 3)</p>

B Quiz #22

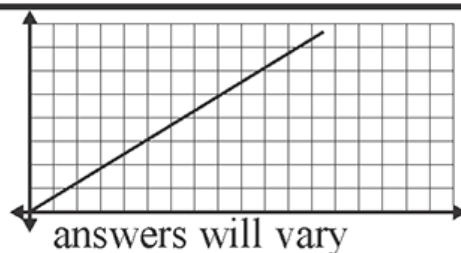
1.

8.EE.7

 $6 \neq 18$
no solutions

2.

8.F.1



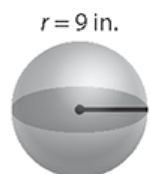
3.

8.EE.1

$$\frac{16}{8} = 2$$

4.

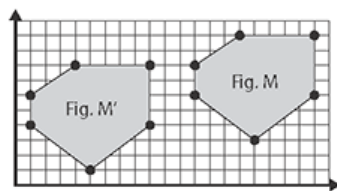
8.G.9



$$V = 972\pi \text{ in.}^3$$

5.

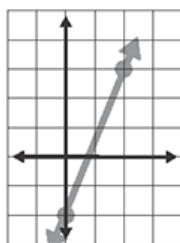
8.G.3



horizontal
change -11
vertical
change -2

6.

8.EE.6



$$\text{slope} = \frac{5}{2}$$

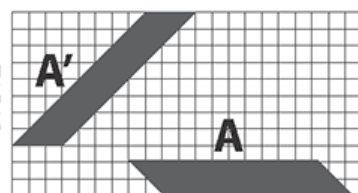
7.

8.EE.8

(17, 5)

8.

8.G.2



congruent
rotation 45°
counter-
clockwise,
translation

9.

8.EE.4

$$7.56 \times 10^9$$

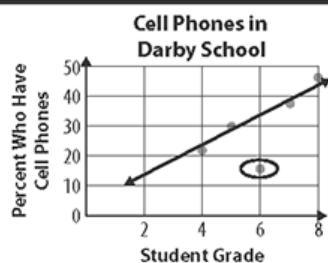
10.

8.F.4

$$15^{12}$$

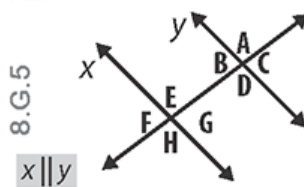
11.

8.SP.2



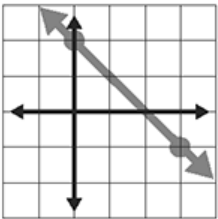
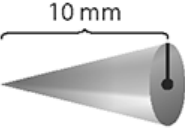
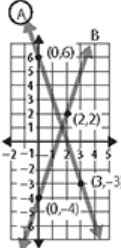
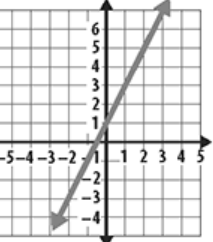
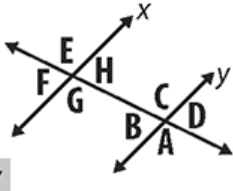
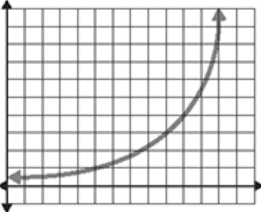
12.

8.G.5



$\angle A$ and $\angle E$
 $\angle D$ and $\angle H$
 $\angle B$ and $\angle F$
 $\angle C$ and $\angle G$

B Quiz #23

<p>1.</p> <p>8.EE.6</p>  <p>slope = -1</p>	<p>2.</p> <p>8.F.1</p> <p>$x = \text{input}$ $y = \text{output}$</p>
<p>3.</p> <p>8.EE.8</p> <p>(2, -3)</p>	<p>4.</p> <p>8.EE.4</p> <p>7.32×10^3 7,320</p>
<p>5.</p> <p>8.G.9</p>  <p>$V = 120\pi \text{ mm}^3$</p>	<p>6.</p> <p>8.EE.7</p> <p>$a = -5$</p>
<p>7.</p> <p>8.EE.1</p> <p>7^{14}</p>	<p>8.</p> <p>8.F.2</p>  <p>The slope of both lines is the same. The sign indicates they slant in different directions.</p>
<p>9.</p> <p>8.F.4</p>  <p>slope = 2 y-intercept = +1 $y = 2x + 1$</p>	<p>10.</p> <p>8.G.5</p>  <p>$\angle G$ and $\angle C$ $\angle H$ and $\angle B$</p>
<p>11.</p> <p>8.F.3</p>  <p>no</p>	<p>12.</p> <p>8.EE.3</p> <p>222.8 is greater than one but not less than 10.</p> <p>2.228×10^6</p>

B Quiz #24

1.

8.G.9

$$V = 121.68\pi \text{ cm}^3$$

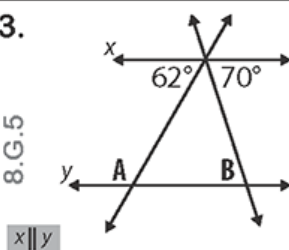
2.

8.EE.7

$$b = 10$$

3.

8.G.5



$$m\angle A = 118^\circ$$

$$m\angle B = 70^\circ$$

4.

8.EE.2

$$-\frac{7}{10}$$

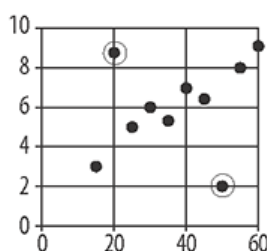
5.

8.EE.1

$$k^9$$

6.

8.SP.1



Yes, data
is clustered.

7.

8.EE.4

$$3.402 \times 10^{11}$$

8.

8.EE.8

$$\left(\frac{1}{3}, 2\frac{1}{3}\right)$$

9.

8.F.4

$$m = \frac{1}{2}$$

y -intercept = 4

$$y = \frac{1}{2}x + 4$$

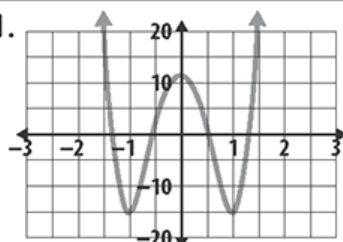
10.

8.EE.3

$10^4 = 10,000$ times larger

11.

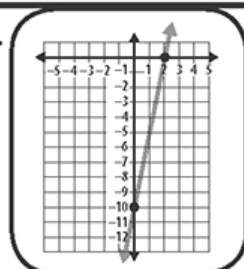
8.F.5



when $x =$
 -1 and 1

12.

8.F.2

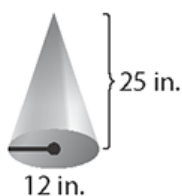


$$y = 3x + 6$$

B Quiz #25

1.

8.G.9



$$V = 3,768 \text{ in.}^3$$

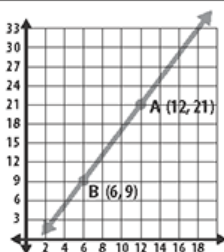
2.

8.EE.8

$$(-2, 3)$$

3.

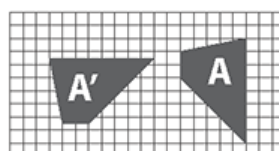
8.EE.5



$$m = 2 \text{ (slope)}$$

4.

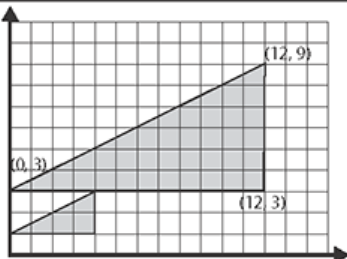
8.G.2



possible
answer:
rotate 90° ,
counter-
clockwise
translate
left

5.

8.G.3



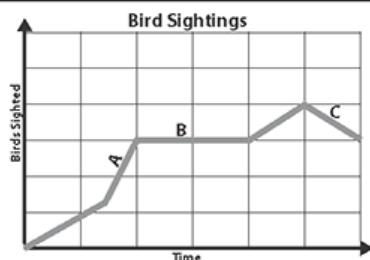
6.

8.EE.6

$$y = -\frac{1}{2}x + 3$$

7.

8.F.5



8.

8.EE.4

$$8.25 \times 10^{-4}$$

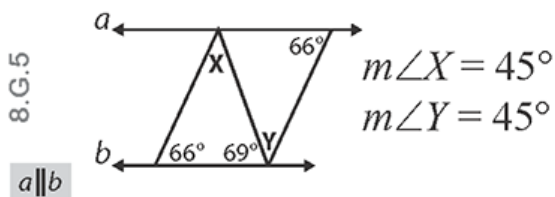
9.

8.EE.1

$$8^{20}$$

10.

8.G.5



11.

8.EE.7

$$-0.7 \neq 4.3$$

no solutions

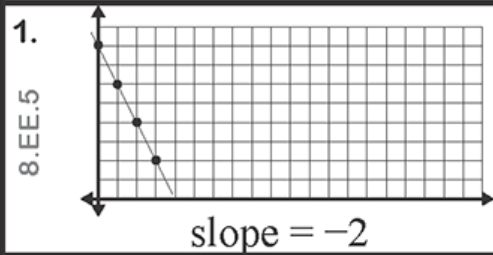
12.

8.F.2

x	y
2	6
3	8
4	10
5	12

$$y = 3x + 9$$

B Quiz #26



2. 8.EE.7

$t = 6$

3. 8.EE.3

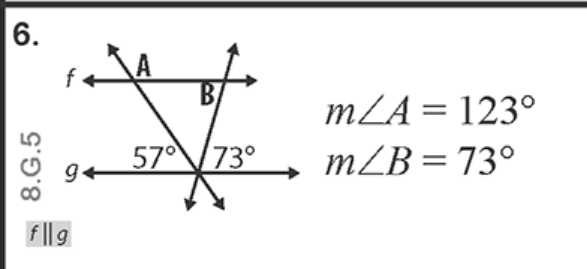
27,000

4. 8.EE.8

(9, 10)

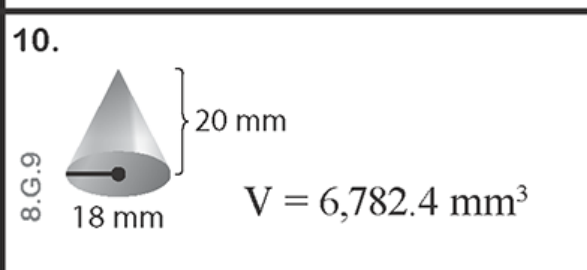
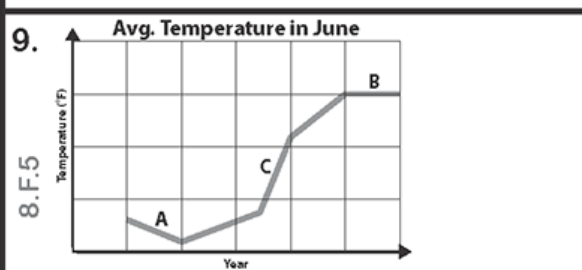
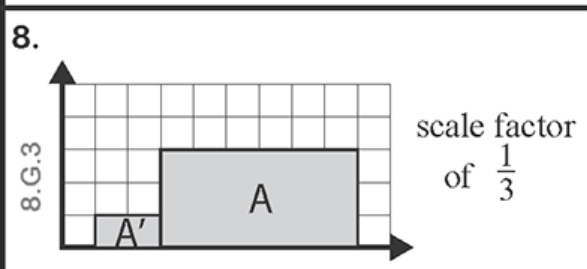
5. 8.EE.1

12^7



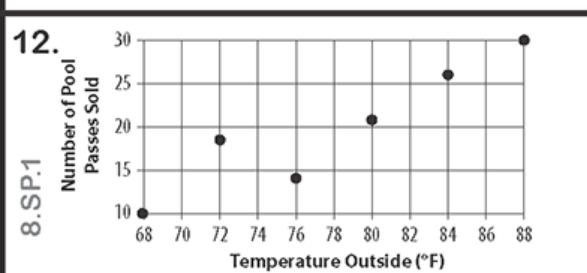
7. 8.G.6

no

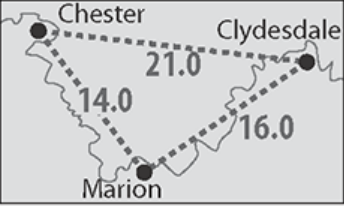
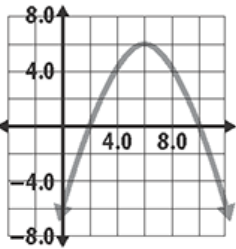
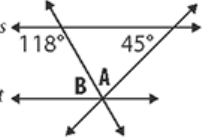
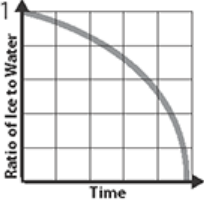
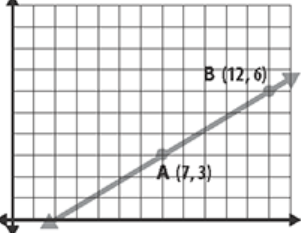



11. 8.EE.4

9.9×10^9



B Quiz #27

<p>1.</p> <p>8.EE.2</p> $\frac{8}{4} = 2$	<p>2.</p>  <p>not a right angle</p> <p>8.G.6</p>
<p>3.</p> <p>8.EE.1</p> 5	<p>4.</p> <p>8.EE.4</p> 4×10^2 400
<p>5.</p>  <p>when $x = 6.0$</p> <p>8.F.5</p>	<p>6.</p> <p>8.EE.8</p> $(3, -5)$
<p>7.</p> <p>8.EE.7</p> $d = -2$	<p>8.</p> <p>8.EE.3</p> $1.5 \times 10^2 \text{ times larger or}$ 150 times larger
<p>9.</p>  <p>$m\angle A = 73^\circ$</p> <p>$m\angle B = 62^\circ$</p> <p>8.G.5</p>	<p>10.</p>  <p>A) decreases</p> <p>B) linear / nonlinear</p> <p>8.F.5</p>
<p>11.</p>  <p>slope = $\frac{3}{5}$</p> <p>8.EE.5</p>	<p>12.</p>  <p>$V = 306\pi \text{ cm}^3$</p> <p>8.G.9</p>

B Quiz #28

1.

8.EE.7

 $x = 20$
one solution

2.

8.EE.4

 5.16×10^8

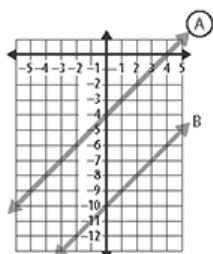
3.

8.EE.1

 $9^6 a^{18}$

4.

8.F.2


 Line A
 y -intercept = -4

5.

8.EE.6

 $y = -\frac{3}{7}x + 5$

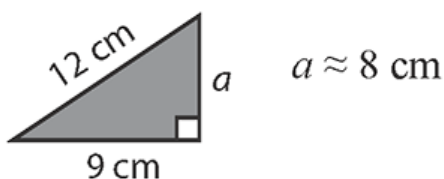
6.

8.EE.8

 $(2, 3)$

7.

8.G.7



8.

8.F.4

 slope = -1
 y -intercept = 0
 $y = -x$

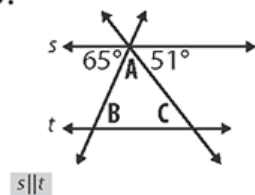
9.

8.G.9

 $V = 200.96 \text{ mm}^3$

10.

8.G.5


 $m\angle A = 64^\circ$
 $m\angle B = 65^\circ$
 $m\angle C = 51^\circ$

11.

8.F.3

Linear	Nonlinear
B	A
C	D
E	G
F	H

12.

8.EE.2

 This is not a real number.
 No real number times itself
 equals -64 .

B Quiz #29

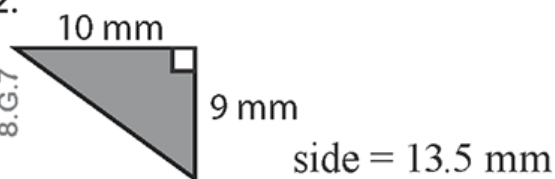
1.

8.EE.8

 $(1, -1)$

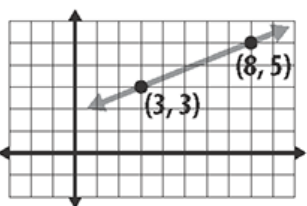
2.

8.G.7



3.

8.G.8



horizontal leg = 5 units
vertical leg = 2 units
hypotenuse = 5.4 units

4.

8.EE.4

 3.97×10^5

5.

8.EE.7

 $x = -3$

6.

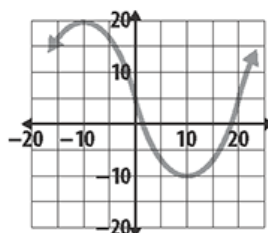
8.F.2

x	y
-3	8
-2	3
-1	-2
0	-7

x	y
0	4
7	11
14	18
21	25

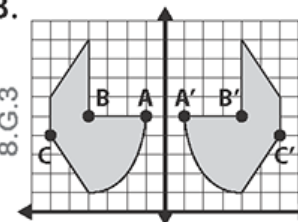
7.

8.F.5

when $x = -10$

8.

8.G.3



$A' = (1, 5)$
 $B' = (4, 5)$
 $C' = (6, 4)$
Same x and y values, but the x values are negative.

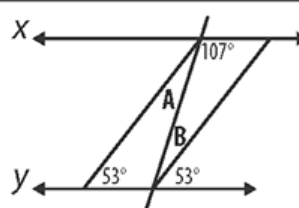
9.

8.EE.1

 a^5

10.

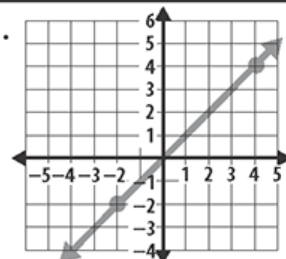
8.G.5

 $x \parallel y$

$m\angle A = 20^\circ$
 $m\angle B = 20^\circ$

11.

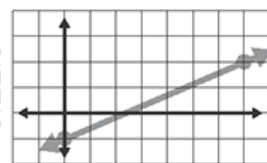
8.F.4



$m = 1$
 $b = 0$
 $y = x$

12.

8.EE.6



slope = $\frac{3}{7}$
 y -intercept = -1
 $y = \frac{3}{7}x - 1$

B Quiz #30

1.

8.EE.4

$$4.3125 \times 10^{-5}$$

2.

8.EE.8

$$(3, -7)$$

3.

8.G.8

The distance is 17 units.

4.

8.NS.1

rational

It is a repeating decimal.

5.

8.F.4

$$m = -\frac{2}{3}$$

$$b = 0$$

$$y = -\frac{2}{3}x$$

6.

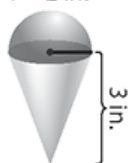
8.F.2

$$y = 3x + 1$$

x	y
3	8
6	16
9	24
12	32

7.

8.G.9

 $r = 2$ in.

$$V = 9.3\pi \text{ in.}^3$$

8.

8.EE.7

$$a = 3$$

9.

8.F.3

x	y
2	17
3	24
4	30
5	37
6	45

No

10.

8.EE.6

- A) zero
- B) negative
- C) positive
- D) undefined

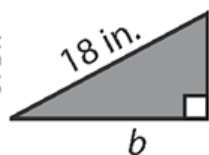
11.

8.EE.2

$$-\frac{7}{12}$$

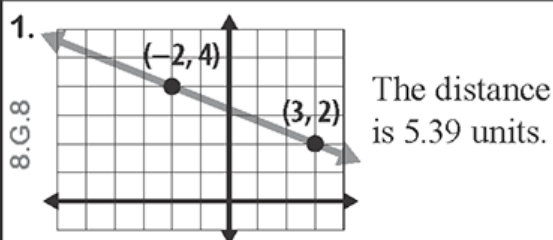
12.

8.G.7



$$b = 16.6 \text{ in.}$$

B Quiz #31



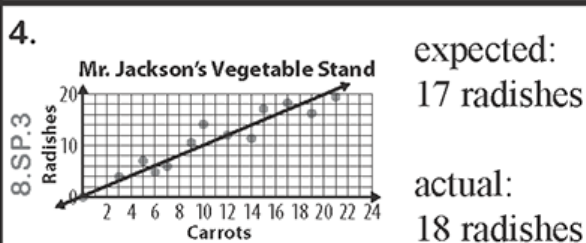
2. $-6 \neq -2$
no solutions

8.EE.7

3.

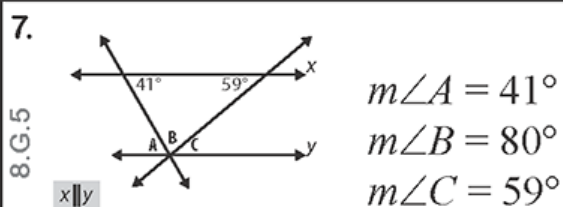
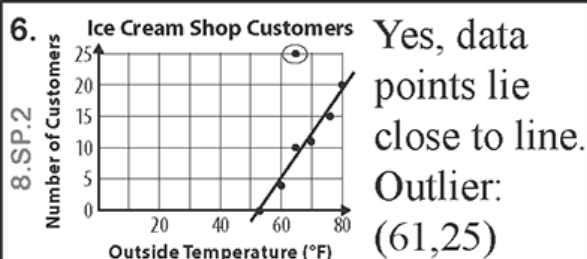
Linear	Nonlinear
B	A
C	F
D	G
E	
H	

8.F.3



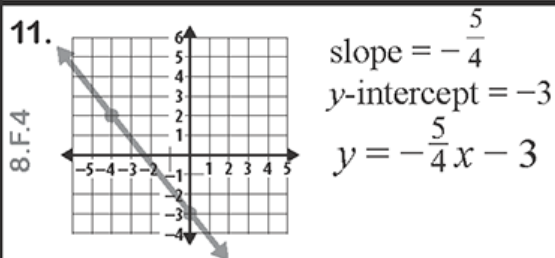
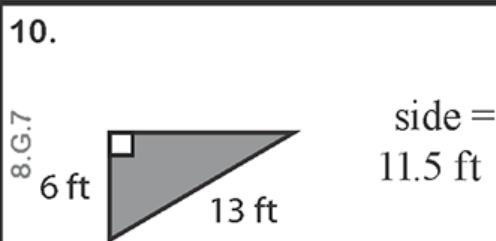
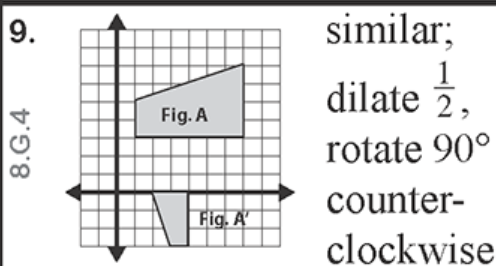
5. 1.46×10^{-3}
0.00146

8.EE.4



8. (9, 5)

8.EE.8



12. A) $y = 2x + 6$
B) $y = x + 2$
+2 is the smaller y-intercept

8.F.2

B Quiz #32

<p>1. 8.EE.6</p> $y = \frac{2}{3}x + 1$	<p>2. 8.EE.8</p> <p style="text-align: center;">(3, -2)</p>																						
<p>3. 8.EE.7</p> $b = 40$	<p>4. 8.F.2</p> <table style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;"> <table border="1" style="font-size: x-small; text-align: center;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>-2</td><td>1</td></tr> <tr><td>-1</td><td>4.5</td></tr> <tr><td>0</td><td>8</td></tr> <tr><td>1</td><td>11.5</td></tr> </tbody> </table> </td> <td style="border: 1px solid black; padding: 2px;"> <table border="1" style="font-size: x-small; text-align: center;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>4</td></tr> <tr><td>3</td><td>6</td></tr> <tr><td>4</td><td>8</td></tr> </tbody> </table> </td> </tr> </table>	<table border="1" style="font-size: x-small; text-align: center;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>-2</td><td>1</td></tr> <tr><td>-1</td><td>4.5</td></tr> <tr><td>0</td><td>8</td></tr> <tr><td>1</td><td>11.5</td></tr> </tbody> </table>	x	y	-2	1	-1	4.5	0	8	1	11.5	<table border="1" style="font-size: x-small; text-align: center;"> <thead> <tr><th>x</th><th>y</th></tr> </thead> <tbody> <tr><td>1</td><td>2</td></tr> <tr><td>2</td><td>4</td></tr> <tr><td>3</td><td>6</td></tr> <tr><td>4</td><td>8</td></tr> </tbody> </table>	x	y	1	2	2	4	3	6	4	8
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1	11.5																						
x	y																						
1	2																						
2	4																						
3	6																						
4	8																						
<p>5. 8.G.9</p> <div style="display: flex; align-items: center;"> $V = 12,348\pi \text{ in.}^3$ </div>	<p>6. 8.G.4</p> <div style="display: flex; align-items: center;"> <p>similar; dilated $\frac{2}{3}$, rotated 180°</p> </div>																						
<p>7. 8.EE.4</p> 4.185×10^{-4} 0.0004185	<p>8. 8.SP.3</p> <div style="display: flex; align-items: center;"> <p>about 5 shovels</p> </div>																						
<p>9. 8.SP.2</p> <div style="display: flex; align-items: center;"> <p>A) 12 hours B) 2.5 hours C) 5.2 hours</p> </div>	<p>10. 8.EE.1</p> $\frac{4a}{b^5}$																						
<p>11. 8.G.7</p> <div style="display: flex; align-items: center;"> <p>length of ladder = 17 ft</p> </div>	<p>12. 8.G.8</p> <p>The distance is 7.81 units.</p>																						

B Quiz #33

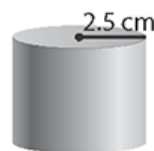
1.

8.EE.6

$$y = 3x - 2$$

2.

8.G.9

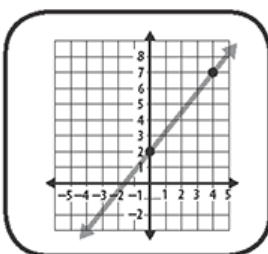


$$V = 98.125 \text{ cm}^3$$

3.

8.F.2

x	y
-2	-6
-1	0
0	6
1	12



4.

8.EE.4

3.8 times or
almost 4 times as many

5.

8.EE.7

$$x = 2$$

one solution

6.

8.SP.4

A) $\frac{7}{54}$

B) $\frac{1}{2}$

7.

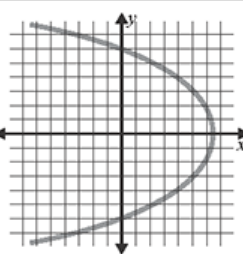
8.F.4

A) 68 mph

B) slope

8.

8.F.1



A single
x-value has
2 corresponding
y-values.

9.

8.F.3

Linear	Nonlinear
B	A
D	C
F	E
H	G

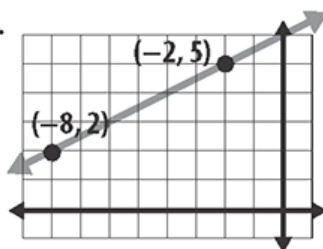
10.

8.EE.1

$$x^7y^4$$

11.

8.G.8



The distance
is 6.71 units.

12.

8.EE.8

$$x = 15$$

$$y = 2$$

or (15, 2)

B Quiz #34

1.

8.EE.8

The two numbers are 8 and 6.

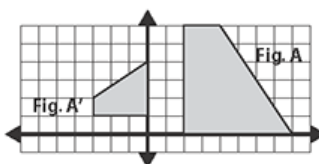
2.

8.EE.6

slope = $\frac{3}{2}$

3.

8.G.4

similar;
dilation of $\frac{1}{2}$,
rotated 90°
counter-
clockwise

4.

8.EE.7

$x = -2$

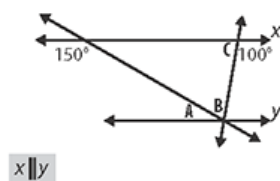
5.

8.F.2

x	y	x	y
-2	-1	-5	2
-1	3	0	5
0	7	5	8
1	11	10	11

6.

8.G.5



$m\angle A = 30^\circ$

$m\angle B = 70^\circ$

$m\angle C = 80^\circ$

7.

8.F.4

$$m = \frac{2}{3}$$

$$b = 11$$

$$y = \frac{2}{3}x + 11$$

8.

8.SP.4

- A) $\frac{37}{50}$
 B) $\frac{27}{50}$
 C) $\frac{23}{50}$
 D) $\frac{87}{150} = \frac{29}{50}$

highest: 6th grade

closest: 7th grade

9.

8.G.9

$V = 192\pi \text{ in.}^3$

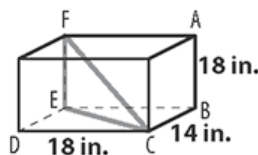
10.

8.EE.1

6^3d^{24}

11.

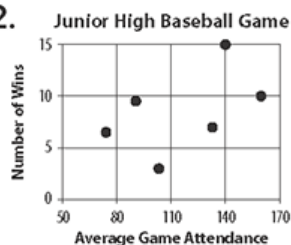
8.G.7



$\overline{FC} = 29.0 \text{ in.}$

12.

8.SP.1

not clustered
no association

B Quiz #35

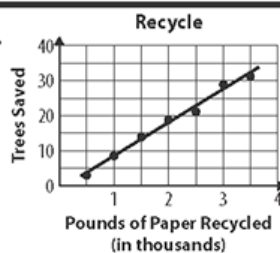
1.

8.EE.1

4^{17}

2.

8.SP.2



Yes, data points lie close to the line.
No outliers.

3.

8.EE.7

$4 \neq 12$

no solutions

4.

8.EE.8

$x = \$5$ (evening)

$y = \$2$ (matinee)

5.

8.F.4

A) 20 miles

B) y -intercept

6.

8.F.2

$y = -2.5x$

x	y
-2	-3.6
-1	-1.8
0	0
1	1.8

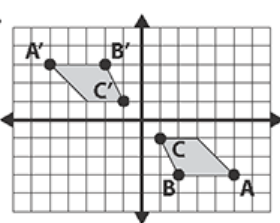
7.

8.EE.4

3.175×10^7

8.

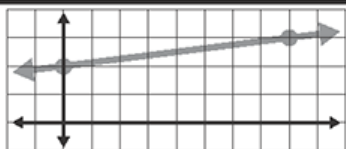
8.G.3



$A'(-5, 3)$
 $B'(-2, 3)$
 $C'(-1, 1)$
The coordinates have the same x - and y -values, but opposite signs.

9.

8.EE.6



slope is $\frac{1}{8}$, y -intercept is 2
 $y = \frac{1}{8}x + 2$

10.

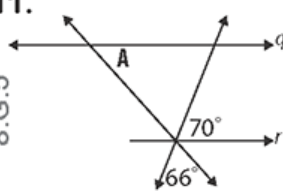
8.SP.4

A) $\frac{22}{53}$

B) $\frac{157}{300}$

11.

8.G.5

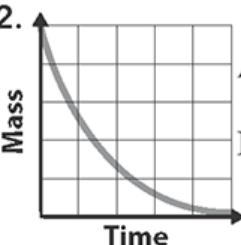


$m\angle A = 44^\circ$

 $q \parallel r$

12.

8.F.5



A) decreases

B) linear / nonlinear