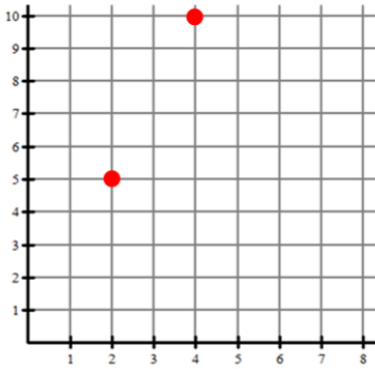


# Corrective Assignment

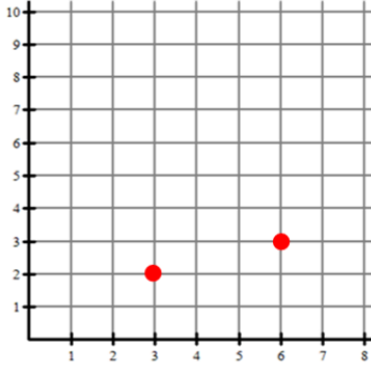
The graphs below are proportional. Write the equation for each graph.

1.



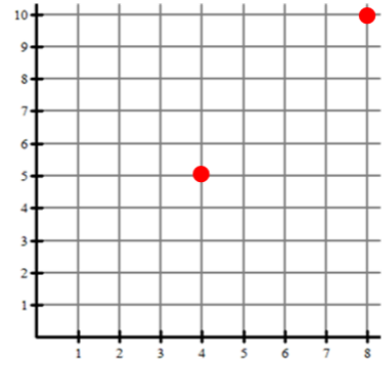
Equation

2.



Equation

3.



Equation

The following is proportional. Fill in the missing table, equation, and/or graph. (5 points)

4. **Verbal:** It costs \_\_\_\_\_ dollars for every \_\_\_\_\_ apples.

Table

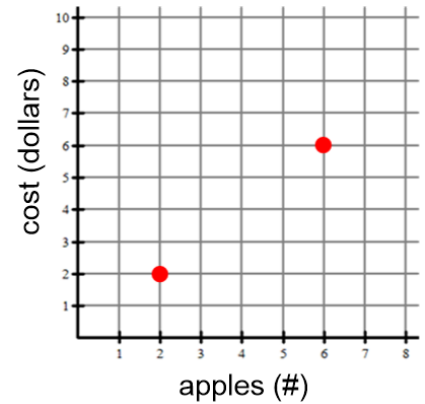
Apples (#)	Cost (\$)
1	
4	
	6
	14

Equation

$k =$

Write the equation.

Graph



Use the equation to fill in the table, answer the question, and graph.

5.

Table

$x$	$y$
0	
10	
	1
	8

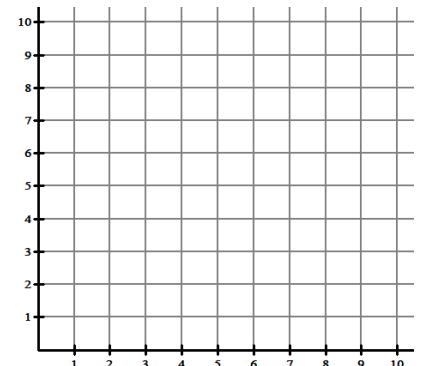
Equation

$$y = \frac{1}{5}x$$

Is the equation proportional?

YES or No

Graph



Use the equation to fill in the table, answer the question, and graph.

6.

Table

$x$	$y$
0	
2	
	7
	12

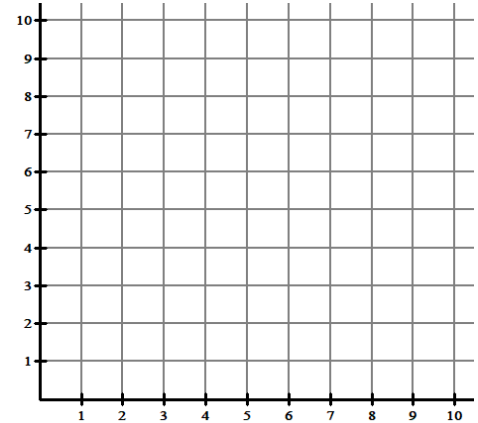
Equation

$$y = 2x + 1$$

Is the equation proportional?

YES or No

Graph



7.

Table

$x$	$y$
1	
6	
	2
	10

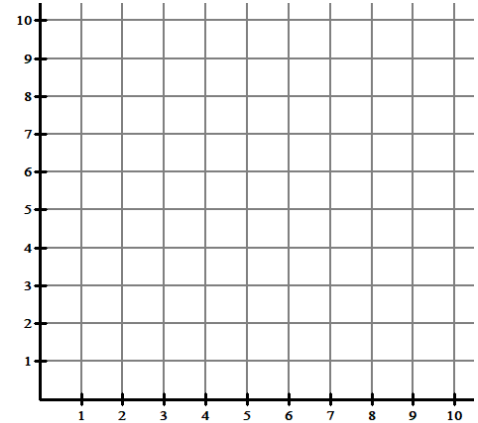
Equation

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

Is the equation proportional?

YES or No

Graph



### ANSWERS TO 8.3 CORRECTIVE ASSIGNMENT

<p>1. <math>y = \frac{5}{2}x</math> or <math>y = 2.5x</math></p>	<p>2. <math>y = \frac{2}{3}x</math> or <math>y = 0.\bar{6}x</math></p>	<p>3. <math>y = \frac{5}{4}x</math> or <math>y = 1.25x</math></p>																			
<p>4. It costs 1 dollar for every 1 apple.</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th>Apples (#)</th> <th>Cost (\$)</th> </tr> </thead> <tbody> <tr><td>1</td><td>1</td></tr> <tr><td>4</td><td>4</td></tr> <tr><td>6</td><td>6</td></tr> <tr><td>14</td><td>14</td></tr> </tbody> </table> <p style="margin-left: 20px;"><math>k = \frac{2}{2} = 1</math></p> <p style="margin-left: 20px;">Equation</p> <p style="margin-left: 20px;"><math>y = 1</math></p>	Apples (#)	Cost (\$)	1	1	4	4	6	6	14	14	<p>5. YES, the equation is proportional</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th><math>x</math></th> <th><math>y</math></th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>10</td><td>2</td></tr> <tr><td>5</td><td>1</td></tr> <tr><td>40</td><td>8</td></tr> </tbody> </table>	$x$	$y$	0	0	10	2	5	1	40	8
Apples (#)	Cost (\$)																				
1	1																				
4	4																				
6	6																				
14	14																				
$x$	$y$																				
0	0																				
10	2																				
5	1																				
40	8																				
<p>6. NO, the equation is not proportional</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th><math>x</math></th> <th><math>y</math></th> </tr> </thead> <tbody> <tr><td>0</td><td>1</td></tr> <tr><td>2</td><td>5</td></tr> <tr><td>3</td><td>7</td></tr> <tr><td>5.5</td><td>12</td></tr> </tbody> </table>	$x$	$y$	0	1	2	5	3	7	5.5	12	<p>7. YES, the equation is proportional</p> <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th><math>x</math></th> <th><math>y</math></th> </tr> </thead> <tbody> <tr><td>1</td><td><math>\frac{2}{3}</math> or <math>0.\bar{6}</math></td></tr> <tr><td>6</td><td>4</td></tr> <tr><td>3</td><td>2</td></tr> <tr><td>15</td><td>10</td></tr> </tbody> </table>	$x$	$y$	1	$\frac{2}{3}$ or $0.\bar{6}$	6	4	3	2	15	10
$x$	$y$																				
0	1																				
2	5																				
3	7																				
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