

Corrective Assignment

Use the situation to answer the questions and fill in the table.

1. Sully only likes 20% of the people in his hot Yoga class.
 - a. Write an equation to represent this.
 - b. If there are 20 people in hot Yoga, how many does Sully like? Use your equation.
 - c. If Sully likes 5 people from Yoga class, how many are in his class? Use your equation.

# of people in hot Yoga	# of people Sully likes
25	
10	
	4
	12

Use the equation to answer the questions and fill in the table.

2. Equation: $y = -3x$

- a. Find y when $x = 5$
- b. Find x when $y = 27$

x	y
4	
-2	
	18
	-9

- c. Is the equation proportional? YES or NO

3. Equation: $y = \frac{1}{4}x + 3$

- a. Find y when $x = 20$
- b. Find x when $y = 5$

x	y
0	
8	
	-1
	4

- c. Is the equation proportional? YES or NO

ANSWERS TO 8.2 CORRECTIVE ASSIGNMENT

1. a. $y = 0.20x$ b. 4 people c. 25 people	<table border="1" style="margin: auto;"> <thead> <tr> <th># of people in hot Yoga</th> <th># of people Sully likes</th> </tr> </thead> <tbody> <tr><td>25</td><td>5</td></tr> <tr><td>10</td><td>2</td></tr> <tr><td>20</td><td>4</td></tr> <tr><td>60</td><td>12</td></tr> </tbody> </table>	# of people in hot Yoga	# of people Sully likes	25	5	10	2	20	4	60	12	2. a. $y = -15$ b. $x = -9$ c. Yes	<table border="1" style="margin: auto;"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>4</td><td>-12</td></tr> <tr><td>-2</td><td>6</td></tr> <tr><td>-6</td><td>18</td></tr> <tr><td>3</td><td>-9</td></tr> </tbody> </table>	x	y	4	-12	-2	6	-6	18	3	-9	3. a. $y = 8$ b. $x = 8$ c. No	<table border="1" style="margin: auto;"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr><td>0</td><td>3</td></tr> <tr><td>8</td><td>5</td></tr> <tr><td>-16</td><td>-1</td></tr> <tr><td>4</td><td>4</td></tr> </tbody> </table>	x	y	0	3	8	5	-16	-1	4	4
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