

**Circuit Training - Transform  $Ax + By = C$  into  $y = mx + b$  Name \_\_\_\_\_**

Directions: Beginning in cell #1, solve each equation for y. Write in slope-intercept form ( $y = mx + b$ ). Hunt for your answer. Call that cell #2 and proceed in this manner until you complete the circuit.

<p>Answer: <math>y = x - 6</math></p> <p># <u>1</u> <math>x + y = 6</math></p>	<p>Answer: <math>y = -2x + 6</math></p> <p># _____ <math>x + 2y = 6</math></p>
<p>Answer: <math>y = 3x - 6</math></p> <p># _____ <math>x - 3y = 6</math></p>	<p>Answer: <math>y = -3</math></p> <p># _____ <math>x + y = 2y + 6</math></p>
<p>Answer: <math>y = -x - 3</math></p> <p># _____ <math>-2x + y = 0</math></p>	<p>Answer: <math>y = -x - 6</math></p> <p># _____ <math>2x + y = 6</math></p>
<p>Answer: <math>y = -x + 6</math></p> <p># _____ <math>x + y = -6</math></p>	<p>Answer: <math>y = \frac{1}{3}x - 2</math></p> <p># _____ <math>\frac{1}{2}x + 3y = -4</math></p>
<p>Answer: <math>y = \frac{3}{2}x + 3</math></p> <p># _____ <math>3x - y = 6</math></p>	<p>Answer: <math>y = -\frac{1}{2}x + 3</math></p> <p># _____ <math>2x + 2y = 6</math></p>

<p>Answer: <math>y = -3x - 6</math></p> <p># _____ <math>y - 2x = 6</math></p>	<p>Answer: <math>y = \frac{1}{2}x - 6</math></p> <p># _____ <math>y + x = -3</math></p>
<p>Answer: <math>y = x</math></p> <p># _____ <math>3 - y = 6</math></p>	<p>Answer: <math>y = -\frac{2}{3}x + 3</math></p> <p># _____ <math>-2x + 6y = 18</math></p>
<p>Answer: <math>y = -x + 3</math></p> <p># _____ <math>-2x + 2y = 6</math></p>	<p>Answer: <math>y = -\frac{1}{6}x - \frac{4}{3}</math></p> <p># _____ <math>\frac{1}{4}x - \frac{1}{2}y = 3</math></p>
<p>Answer: <math>y = \frac{1}{3}x + 3</math></p> <p># _____ <math>-6x - 2y = 12</math></p>	<p>Answer: <math>y = 2x</math></p> <p># _____ <math>x - y = 0</math></p>
<p>Answer: <math>y = 2x + 6</math></p> <p># _____ <math>3x - 2y = -6</math></p>	<p>Answer: <math>y = x + 3</math></p> <p># _____ <math>4x + 6y = 18</math></p>