

Writing Linear Equations From Two Points Practice 2

1. (2, -3) and (0,1)

$$x_1 = \underline{\hspace{1cm}} \quad y_1 = \underline{\hspace{1cm}}$$

$$x_2 = \underline{\hspace{1cm}} \quad y_2 = \underline{\hspace{1cm}}$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} =$$

$$y = mx + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} (\underline{\hspace{1cm}}) + b$$

$$\underline{\hspace{1cm}} = \underline{\hspace{1cm}} + b$$

$$\underline{\hspace{1cm}} = b$$

$$y = \underline{\hspace{1cm}} x + \underline{\hspace{1cm}}$$

2. (0, -5) and (-1, -4)

$$x_1 = \underline{\hspace{1cm}} \quad y_1 = \underline{\hspace{1cm}}$$

$$x_2 = \underline{\hspace{1cm}} \quad y_2 = \underline{\hspace{1cm}}$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} =$$

$$y = mx + b$$

3. (0,5) and (-2,3)

$$x_1 = \underline{\hspace{1cm}} \quad y_1 = \underline{\hspace{1cm}}$$

$$x_2 = \underline{\hspace{1cm}} \quad y_2 = \underline{\hspace{1cm}}$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} =$$

$$y = mx + b$$

4. (1,5) and (2, -3)

$$x_1 = \underline{\hspace{1cm}} \quad y_1 = \underline{\hspace{1cm}}$$

$$x_2 = \underline{\hspace{1cm}} \quad y_2 = \underline{\hspace{1cm}}$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{1cm}} = \underline{\hspace{1cm}} =$$

$$y = mx + b$$

$$y = \underline{\hspace{1cm}}$$

$$y = \underline{\hspace{1cm}}$$

Writing Linear Equations From Two Points Practice 2

5.

 $(-5,4)$ and $(2,4)$

$x_1 = \underline{\hspace{2cm}}$

$y_1 = \underline{\hspace{2cm}}$

$x_2 = \underline{\hspace{2cm}}$

$y_2 = \underline{\hspace{2cm}}$

6.

 $(-1,3)$ and $(0,0)$

$x_1 = \underline{\hspace{2cm}}$

$y_1 = \underline{\hspace{2cm}}$

$x_2 = \underline{\hspace{2cm}}$

$y_2 = \underline{\hspace{2cm}}$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$$

$y = mx + b$

$y = mx + b$

$y = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$

7.

 $(4,0)$ and $(3, -3)$

$x_1 = \underline{\hspace{2cm}}$

$y_1 = \underline{\hspace{2cm}}$

$x_2 = \underline{\hspace{2cm}}$

$y_2 = \underline{\hspace{2cm}}$

8.

 $(-2,3)$ and $(-1, -4)$

$x_1 = \underline{\hspace{2cm}}$

$y_1 = \underline{\hspace{2cm}}$

$x_2 = \underline{\hspace{2cm}}$

$y_2 = \underline{\hspace{2cm}}$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$$

$y = mx + b$

$y = mx + b$

$y = \underline{\hspace{2cm}}$

$y = \underline{\hspace{2cm}}$