

Writing Equations Given Slope and a Point Practice

Slope of 3 and passes through point $(-2, -5)$

$$x = \underline{\hspace{1cm}} \quad y = \underline{\hspace{1cm}} \quad m = \underline{\hspace{1cm}}$$

$$y = mx + b$$

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

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

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

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

$$y = mx + b$$

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

Slope of -1 and passes through point $(-5, 1)$

$$x = \underline{\hspace{1cm}} \quad y = \underline{\hspace{1cm}} \quad m = \underline{\hspace{1cm}}$$

$$y = mx + b$$

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

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

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

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

$$y = mx + b$$

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

Slope of $\frac{6}{5}$ and passes through point $(5, 2)$

$$x = \underline{\hspace{1cm}} \quad y = \underline{\hspace{1cm}} \quad m = \underline{\hspace{1cm}}$$

$$y = mx + b$$

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

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

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

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

$$y = mx + b$$

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

Slope of $\frac{1}{2}$ and passes through point $(-2, 4)$

$$x = \underline{\hspace{1cm}} \quad y = \underline{\hspace{1cm}} \quad m = \underline{\hspace{1cm}}$$

$$y = mx + b$$

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

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

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

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

$$y = mx + b$$

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