

Writing Linear Equations From Two Points Practice

<p>1. (2, - 1) and (-3,4)</p> <p>$x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$</p> <p>$x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$</p> <p>$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$</p> <p>$y = mx + b$</p> <p>$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} (\underline{\hspace{2cm}}) + b$</p> <p>$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + b$</p> <p>$\underline{\hspace{2cm}} = b$</p> <p>$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$</p>	<p>2. (-2, - 1) and (-3, - 3)</p> <p>$x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$</p> <p>$x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$</p> <p>$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$</p> <p>$y = mx + b$</p> <p>$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} (\underline{\hspace{2cm}}) + b$</p> <p>$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + b$</p> <p>$\underline{\hspace{2cm}} = b$</p> <p>$y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$</p>
<p>3. (4, - 4) and (5,0)</p> <p>$x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$</p> <p>$x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$</p> <p>$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$</p> <p>$y = mx + b$</p> <p>$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} (\underline{\hspace{2cm}}) + b$</p> <p>$\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + b$</p> <p>$\underline{\hspace{2cm}} = b$</p> <p>$y = \underline{\hspace{2cm}}$</p>	<p>4. (2,5) and (3, - 1)</p> <p>$x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$</p> <p>$x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$</p> <p>$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$</p> <p>$y = mx + b$</p> <p>$y = \underline{\hspace{2cm}}$</p>