

Writing Linear Equations From Two Points Practice 2

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

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5. (-5,4) and (2,4) $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ $y = mx + b$ $y = \underline{\hspace{4cm}}$	6. (-1,3) and (0,0) $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ $y = mx + b$ $y = \underline{\hspace{4cm}}$
7. (4,0) and (3, - 3) $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ $y = mx + b$ $y = \underline{\hspace{4cm}}$	8. (-2,3) and (-1, - 4) $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ $y = mx + b$ $y = \underline{\hspace{4cm}}$