

Writing Linear Equations From Two Points Practice 2

<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 1. $(2, -3)$ and $(0,1)$ </div> <div style="display: flex; justify-content: space-between;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f8d7da; padding: 5px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="margin-top: 10px;"> $y = mx + b$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}} (\underline{\hspace{2cm}}) + b$ $\underline{\hspace{2cm}} = \underline{\hspace{2cm}} + b$ $\underline{\hspace{2cm}} = b$ $y = \underline{\hspace{2cm}} x + \underline{\hspace{2cm}}$ </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 2. $(0, -5)$ and $(-1, -4)$ </div> <div style="display: flex; justify-content: space-between;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f8d7da; padding: 5px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="margin-top: 10px;"> $y = mx + b$ $y = \underline{\hspace{4cm}}$ </div>
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 3. $(0,5)$ and $(-2,3)$ </div> <div style="display: flex; justify-content: space-between;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f8d7da; padding: 5px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="margin-top: 10px;"> $y = mx + b$ $y = \underline{\hspace{4cm}}$ </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 4. $(1,5)$ and $(2, -3)$ </div> <div style="display: flex; justify-content: space-between;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f8d7da; padding: 5px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="margin-top: 10px;"> $y = mx + b$ $y = \underline{\hspace{4cm}}$ </div>

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<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 5. (-5,4) and (2,4) </div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f9f9f9; padding: 10px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="height: 150px; position: relative; margin-top: 10px;"> <div style="position: absolute; top: 10px; left: 50%; transform: translate(-50%, -50%);">$y = mx + b$</div> <div style="position: absolute; bottom: 10px; left: 50%; transform: translate(-50%, 50%);">$y = \underline{\hspace{4cm}}$</div> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 6. (-1,3) and (0,0) </div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f9f9f9; padding: 10px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="height: 150px; position: relative; margin-top: 10px;"> <div style="position: absolute; top: 10px; left: 50%; transform: translate(-50%, -50%);">$y = mx + b$</div> <div style="position: absolute; bottom: 10px; left: 50%; transform: translate(-50%, 50%);">$y = \underline{\hspace{4cm}}$</div> </div>
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 7. (4,0) and (3, - 3) </div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f9f9f9; padding: 10px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="height: 150px; position: relative; margin-top: 10px;"> <div style="position: absolute; top: 10px; left: 50%; transform: translate(-50%, -50%);">$y = mx + b$</div> <div style="position: absolute; bottom: 10px; left: 50%; transform: translate(-50%, 50%);">$y = \underline{\hspace{4cm}}$</div> </div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> 8. (-2,3) and (-1, - 4) </div> <div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> $x_1 = \underline{\hspace{2cm}}$ $y_1 = \underline{\hspace{2cm}}$ </div> <div style="display: flex; justify-content: space-between;"> $x_2 = \underline{\hspace{2cm}}$ $y_2 = \underline{\hspace{2cm}}$ </div> <div style="background-color: #f9f9f9; padding: 10px; margin-top: 10px;"> $m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} =$ </div> <div style="height: 150px; position: relative; margin-top: 10px;"> <div style="position: absolute; top: 10px; left: 50%; transform: translate(-50%, -50%);">$y = mx + b$</div> <div style="position: absolute; bottom: 10px; left: 50%; transform: translate(-50%, 50%);">$y = \underline{\hspace{4cm}}$</div> </div>