

Name: _____ Date: _____ Pd: _____

Linear Equations: Two Points Practice

Create a linear-equation using **two points** (use your formula $\frac{y_2 - y_1}{x_2 - x_1}$ to find the slope. Choose a point to plug into $y = mx + b$ and solve for your y -intercept.) **DON'T FORGET TO REDUCE THE SLOPE IF POSSIBLE.**

<p>1) (-1, 3) and (3, 7)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>	<p>2) (4, -1) and (6, 4)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>
<p>3) (-2, 0) and (1, 6)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>	<p>4) (1, 5) and (4, -7)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>

Linear Equations: Two Points Practice

Create a linear-equation using **two points** (use your formula $\frac{y_2 - y_1}{x_2 - x_1}$ to find the slope. Choose a point to plug into $y = mx + b$ and solve for your y-intercept.) **DON'T FORGET TO REDUCE THE SLOPE IF POSSIBLE.**

<p>5) (0, 2) and (3, 23)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>	<p>6) (2, 80) and (3, 84)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>
<p>7) (12, 75) and (18, 51)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>	<p>8) (75, 150) and (80, 275)</p> <p>Slope (m) = _____</p> <p>y-intercept (b) = _____</p> <p>Slope-intercept equation: _____</p>