

NAME: _____

P.I. A.A.34: Write the equation of a line, given its slope and the coordinates of a point on the line

1. Explain how you can write an equation if you are given the slope and a point on the line.

2. Explain how you can write an equation of a line if you are given the graph of the line.

Use the slope and the ordered pair to find the y-intercept by substituting into the equation $y = mx + b$.

- [1] Then substitute the slope and y-intercept into $y = mx + b$ to write the equation.
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Use the coordinates of two points on the line to find the slope. Then use the slope and one of the ordered pairs to find the y-intercept by substituting into the equation $y = mx + b$. Then substitute the

- [2] slope and y-intercept into $y = mx + b$ to write the equation.
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