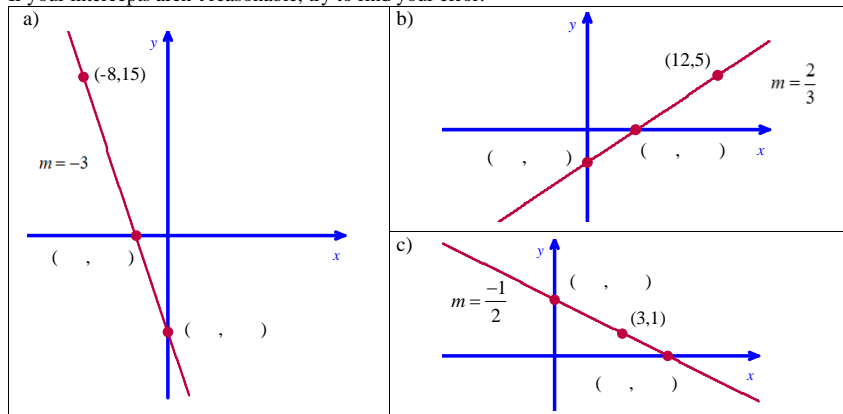


1. For each problem:

- Use the Point-Slope Formula to find the equation of the line.  $y - y_1 = m(x - x_1)$
- Rewrite the equation in Slope Intercept Form.  $y = mx + b$
- Find the  $x$ -intercept and  $y$ -intercept of the line and label the coordinates on the graph.
- If your intercepts aren't reasonable, try to find your error.



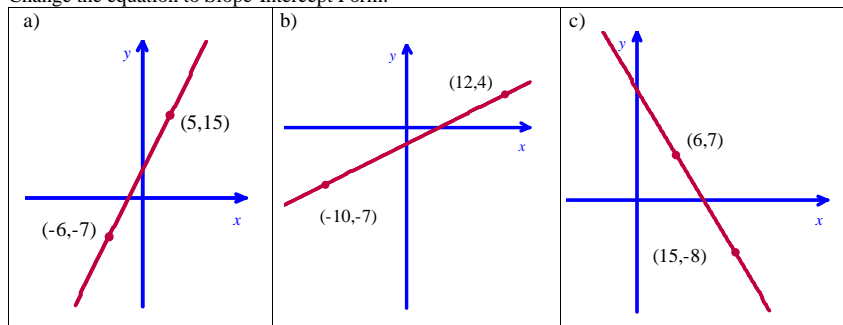
2. For each problem:

- State the slope of the line and a point on the line. To find the point, choose a "good"  $x$ -value to substitute in the equation to find the  $y$ -value of the point. For (a) choose  $x = -1$ .
- Use the point and the slope to graph the line. Be sure to use graph paper. Plot at least three accurate points.

a) $y - 3 = \frac{1}{2}(x + 1)$ Point: ( ) $m =$	b) $y + 4 = \frac{-2}{3}(x - 5)$ Point: ( ) $m =$	c) $y - 1 = 2(x - 0)$ Point: ( ) $m =$
d) $y + 0 = \frac{-3}{2}(x + 4)$ Point: ( ) $m =$	e) $y + 3 = -4(x - 2)$ Point: ( ) $m =$	f) $y - 0 = 1(x - 3)$ Point: ( ) $m =$

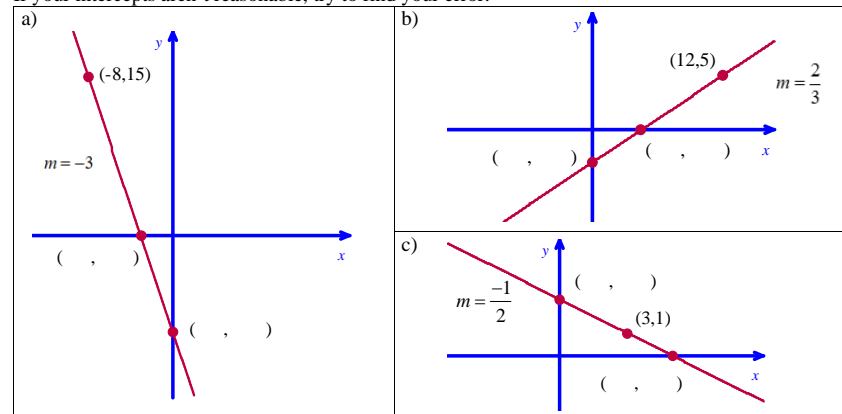
3. For each problem:

- Use the two points shown on the graph to find the slope of the line.
- Use the slope and one of the points to find the equation of the line in Point-Slope Form.
- Change the equation to Slope-Intercept Form.



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