

Writing the Equation of a Line Using the Point-Slope Form

Overview of problems- KEY



Example Set: A

Write the equation of the line using the Point-Slope form

$$m = 2 \quad (-3, 6)$$

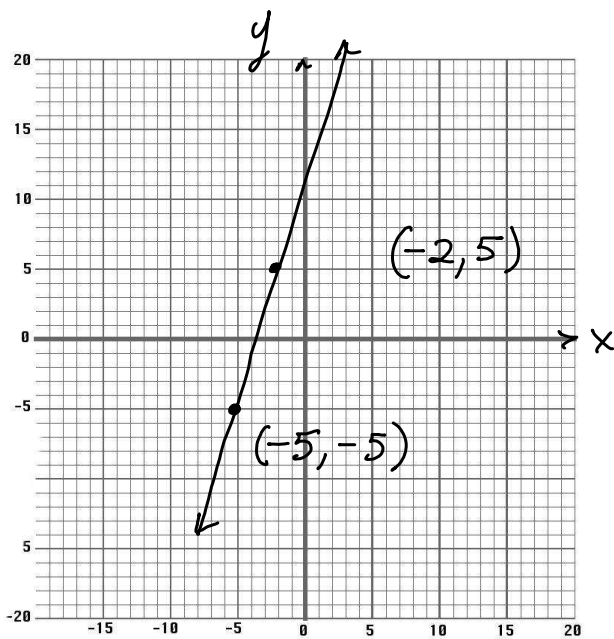
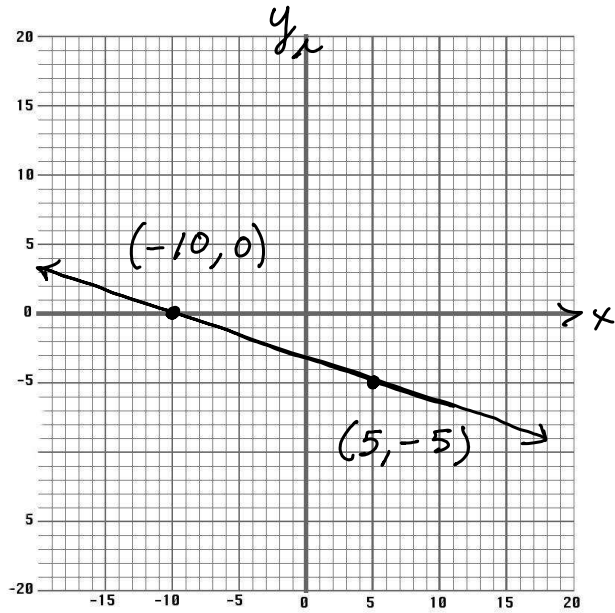
$$m = -1 \quad (1, -4)$$

$$m = \frac{1}{3} \quad (-2, 0)$$



Example Set: B

Use the graph to write the equation of the line



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Example Set: A

Write the equation of the line using the Point-Slope form

$$m = 2 \quad (-3, 6)$$

$$y = 2x + 12$$

$$m = -1 \quad (1, -4)$$

$$y = -1x - 3$$

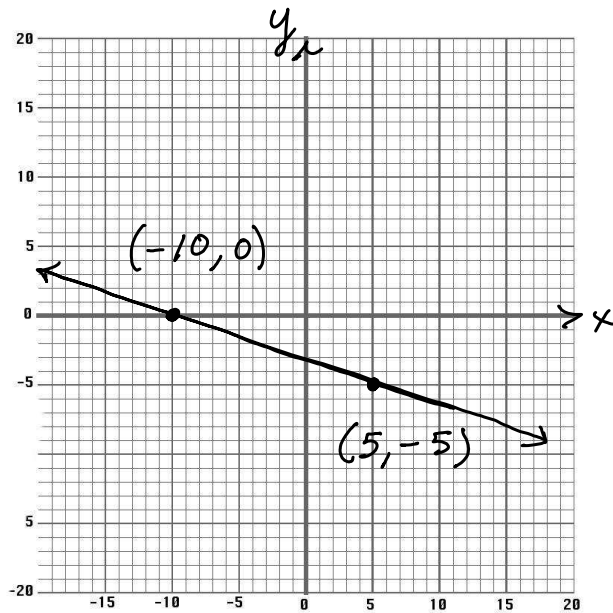
$$m = \frac{1}{3} \quad (-2, 0)$$

$$y = \frac{1}{3}x + \frac{2}{3}$$

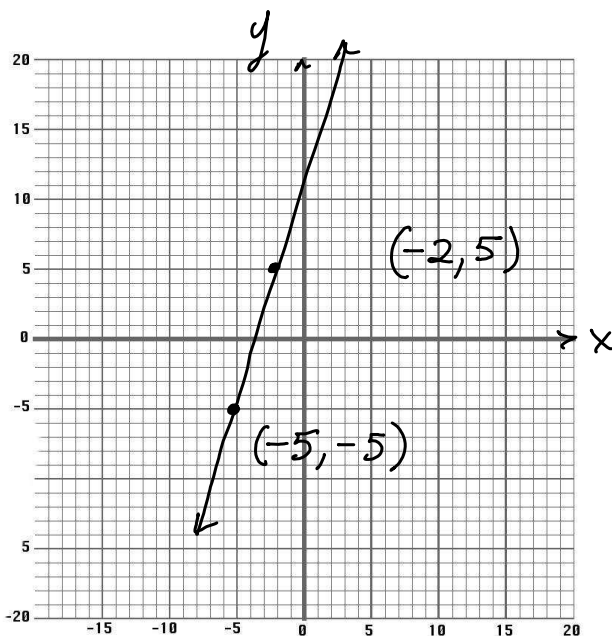


Example Set: B

Use the graph to write the equation of the line



$$y = -\frac{1}{3}x - \frac{10}{3}$$



$$y = 3x + 11$$