

Point – Slope and Slope – Intercept Worksheet Answers

Find the equation of the line with the given information in either point-slope or slope-intercept form.

1. $m = \frac{2}{3}$ thru $(4, 1)$ $y - 1 = \frac{2}{3}(x - 4)$

2. $m = \frac{-5}{3}$ thru $(0, 5)$ $y - 5 = \frac{-5}{3}(x - 0)$

3. $m = 5$ thru $(2, 7)$ $y - 7 = 5(x - 2)$

4. $m = \frac{-1}{4}$ thru $(-1, -3)$ $y - (-3) = \frac{-1}{4}(x - (-1))$
 $y + 3 = \frac{-1}{4}(x + 1)$

5. The line thru $(2, 5)$ and $(-3, 4)$

$$m = \frac{4 - 5}{-3 - 2} = \frac{-1}{-5} = \frac{1}{5}$$

$$y - 5 = \frac{1}{5}(x - 2)$$

OR

$$y - 4 = \frac{1}{5}(x - (-3))$$

$$y - 4 = \frac{1}{5}(x + 3)$$