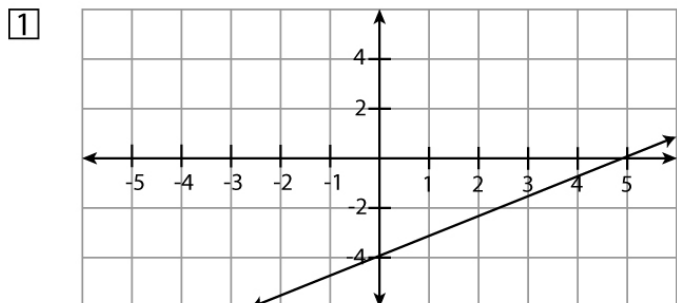
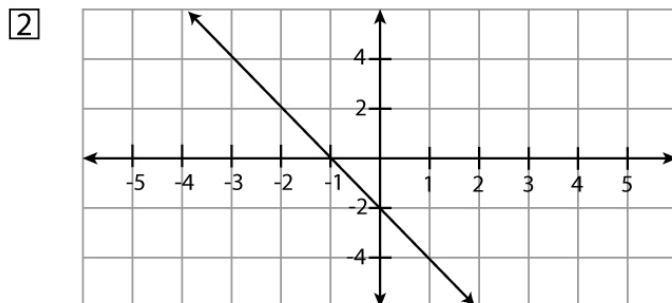


Writing an Equation of a Line Worksheet

Write the slope-intercept form of the equation of each line



Equation: _____



Equation: _____

Write each equation in slope-intercept form

3 $9x + 35 = -5y$

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

5 $-12x + 2y = 4$

6 $12y = \frac{4x - 44}{3}$

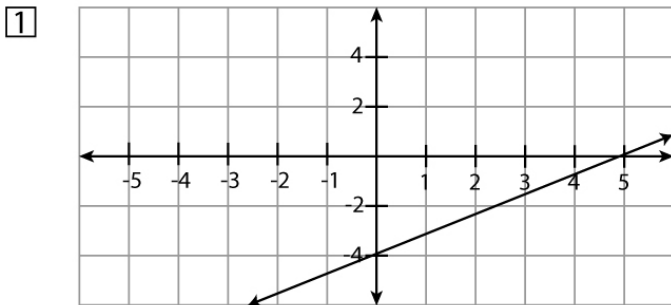
Find the equation of the line with the given slope and y-intercept

7 Slope = -8 ; y-intercept = 8

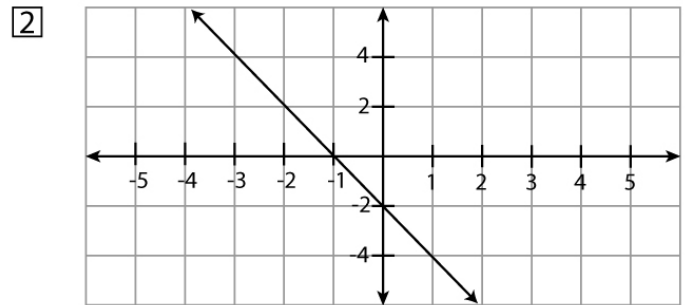
8 Slope = 1 ; y-intercept = 0

Writing an Equation of a Line Worksheet

Answers



Equation: $y = \frac{4}{3}x - \frac{8}{3}$



Equation: $y = -2x - 2$

3 $9x + 35 = -5y$

$$y = -\frac{9}{5}x - 7$$

5 $-12x + 2y = 4$

$$y = 6x + 2$$

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

$$y = -\frac{3}{5}x + 3$$

6 $12y = \frac{4x - 44}{3}$

$$y = \frac{1}{9}x - \frac{11}{9}$$

7 Slope = -8 ; y-intercept = 8

$$y = -8x + 8$$

8 Slope = 1 ; y-intercept = 0

$$y = x$$