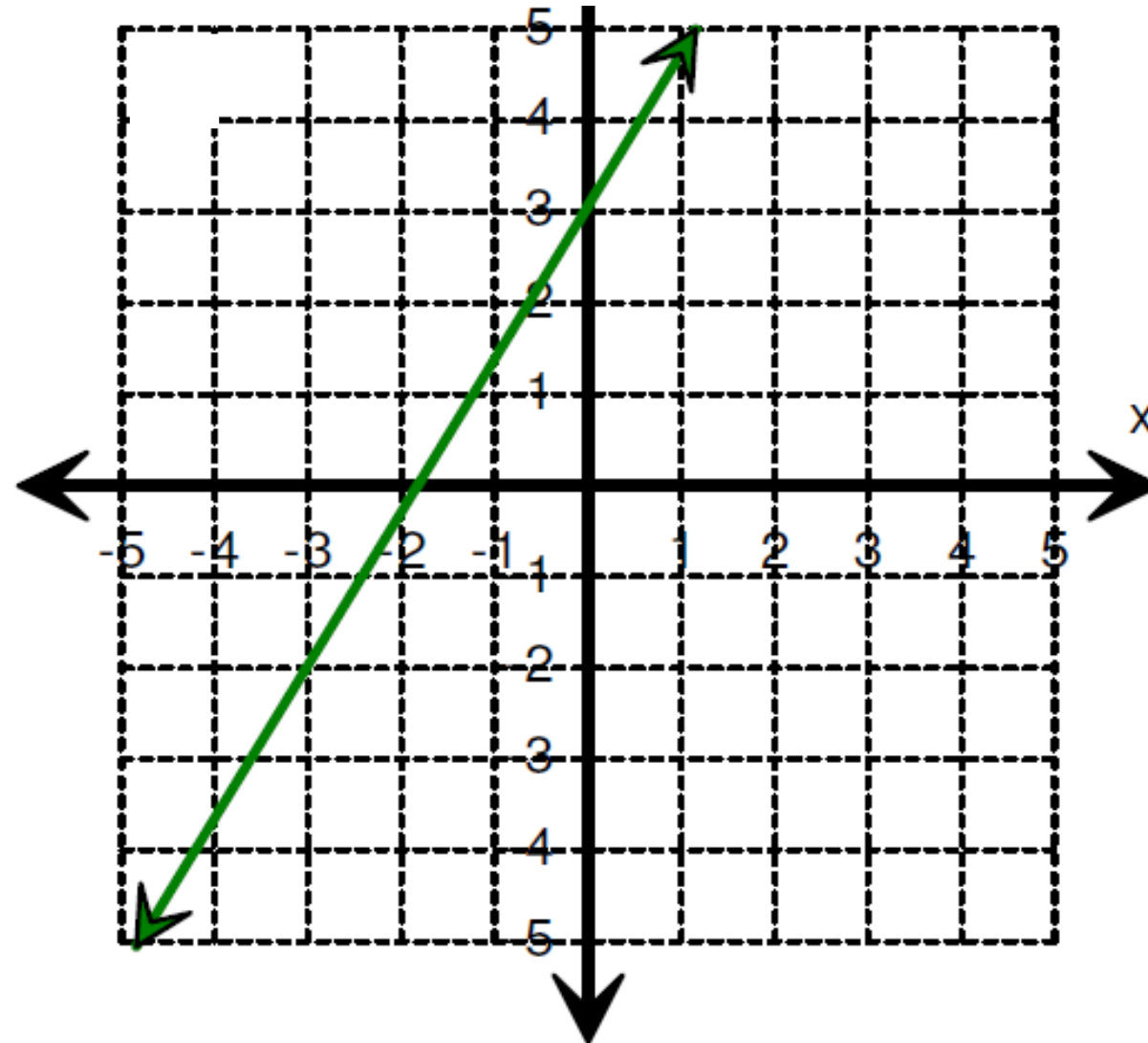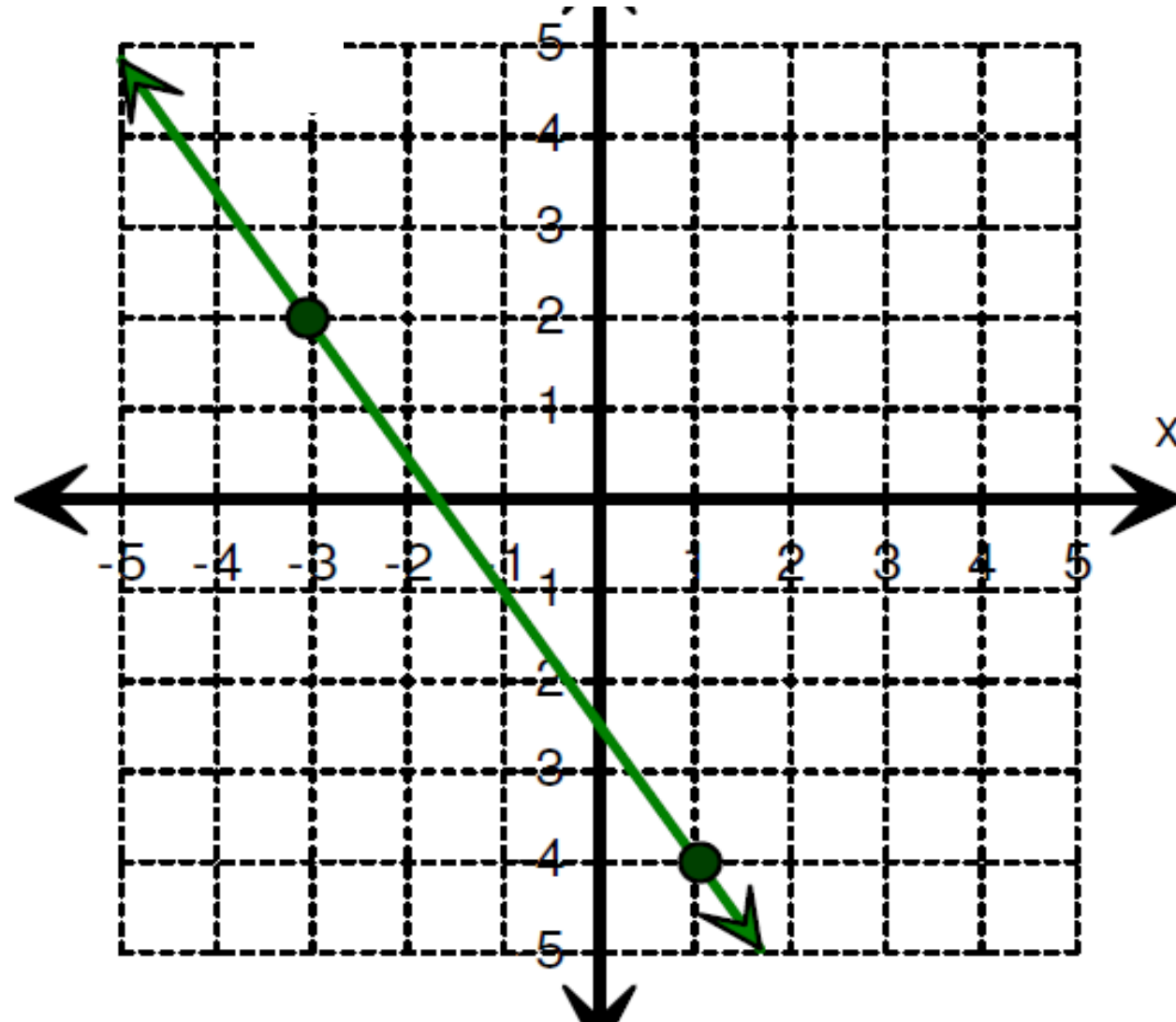# Find the Slope and y-intercept and then write the equation of the line

Find the Slope and y-intercept and then write the equation of the line

Find the Slope

$$(-8, -3) \; and \; (-4, 2)$$

Find the Slope

$$(1, -9) \ and \ (1, -6)$$

Find the Slope

$$(3, -9) \ and \ (-4, -9)$$

Find the Slope

$$(5, -9) \; and \; (5, -6)$$

Find the Slope and y-intercept and then write the equation of the line

x	20	16	12	8	4
y	10	12	14	16	18

Find the Slope and Y-intercept and then write the equation of the line

x	Y
27	0
36	6
45	12
54	18
63	24

Find the equation of the line in <u>point-slope</u> form and then rewrite in <u>slope intercept</u> form

$$(3,-6) \qquad m = \frac{1}{3}$$

Write the equation of the line passing through the given points

$$(-1, 4) \quad (6, -2)$$

Write the equation of the line passing through the given points

$$(1,-3) \quad (7,-2)$$

Canoe Rental

- Suppose your family rents a canoe for a deposit of $10 plus $28 per day.

- Write an equation to model the total cost of renting a canoe.

- Use the equation to find the cost of renting a canoe for 5 days.

Find the equation in point-slope form of the line parallel to the given line through the point

$y = 3x - 2$	$(0, 3)$ m =

Find the equation in point-slope form of the line parallel to the given line through the point

x + 2y =10	(-3, 1) m =

Find the equation in point-slope form of the line perpendicular to the given line through the point

y = 3x - 2	(0, 3) m =

Find the equation in point-slope form of the line
perpendicular to the given line through the point

x + 2y =10	(-3, 1) m =

Solve for y. Find the slope and y-intercept then graph

$$5x + 2y = -8$$

Solve for y. Find the slope and y-intercept then graph

$$y - 3 = 2(x - 1)$$

Solve for x.

$$2(3x - 2) - 5x = 8x + 2 - 4x$$

Solve for x.

$$\frac{2x+1}{4} = \frac{x-2}{3}$$

Solve the inequality for x. Graph the solution and then give the result in interval notation

$$40 - 6x - 10 < -3(5 + 7x)$$

Graph x = -2 and give the slope

Graph y = 5 and give the slope