

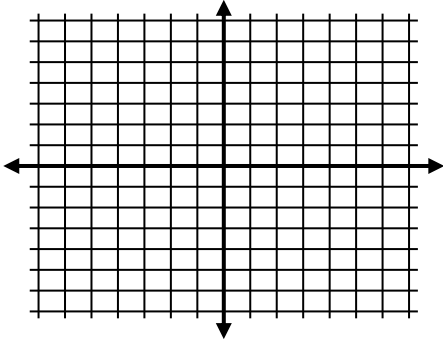
Name: _____

Date: _____

Chapter 4 Test Study Guide

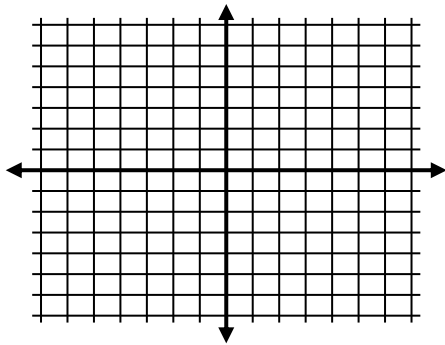
Blue Class

Graph the equation $y = 2x + 3$ by making a table.



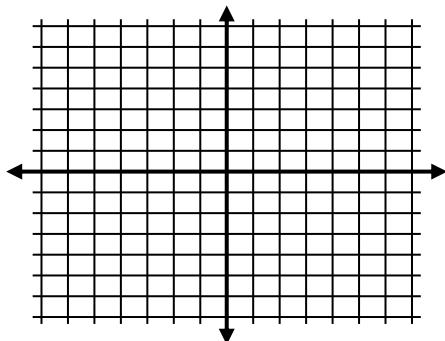
x					
y					

Graph the equation $y = -3x + 5$ for $x \geq 0$ by making a table.



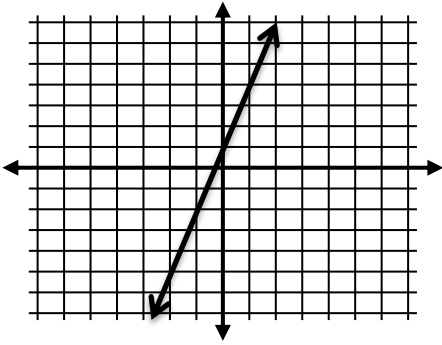
x					
y					

Graph the equation $y = 2x + 3$ for $-3 \leq x \leq 1$ by making a table.



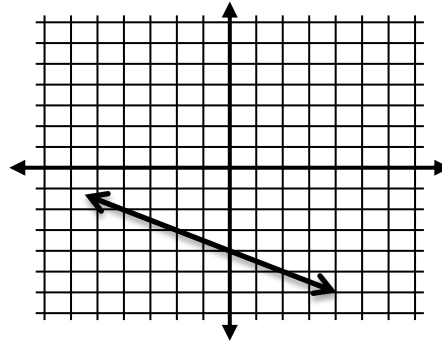
x					
y					

Find slope and y intercept of each graph.



Slope=

y-intercept=



Slope=

y-intercept=

Find the slope and y intercept of each equation.

$$y = 2x - 4$$

Slope=

y-intercept=

$$y = 4 - 3x$$

Slope=

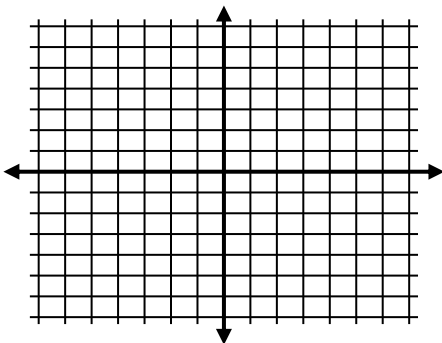
y-intercept=

$$-2x + 6 = y$$

Slope=

y-intercept=

Label each quadrant I, II, III, or IV.

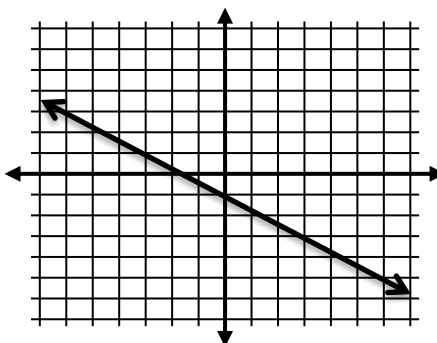
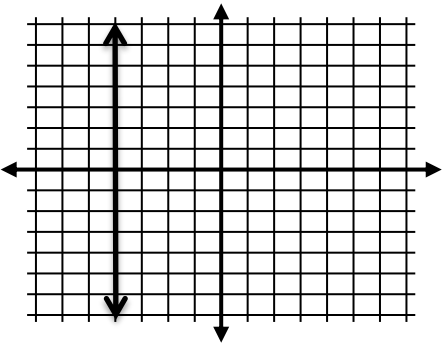
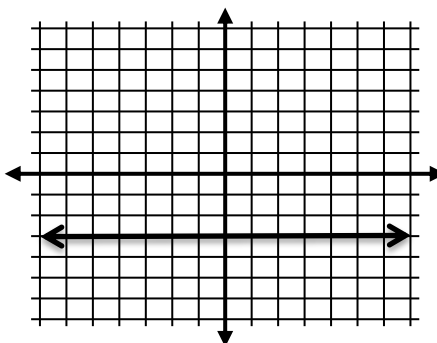
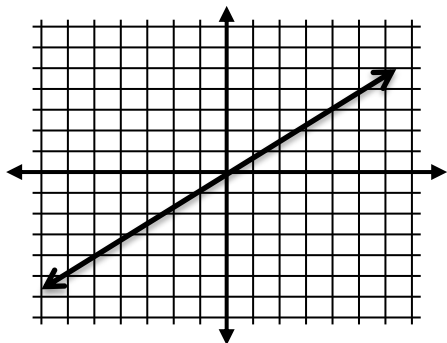


Which ordered pair is a solution of the equation $y = -2x + 1$?

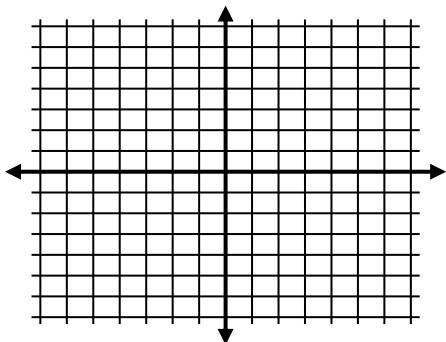
$(-2, 5)$

$(-1, -1)$

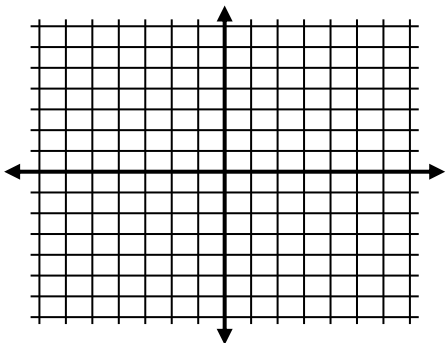
Determine if the slope of each line below is positive, negative, zero or undefined?



Graph $y = \frac{2}{3}x + 3$ using slope and y-intercept.



Graph $y = -3x - 5$ using slope and y-intercept.



Bob is joining a gym. It costs \$100 to join and then \$25 a month to be a member.

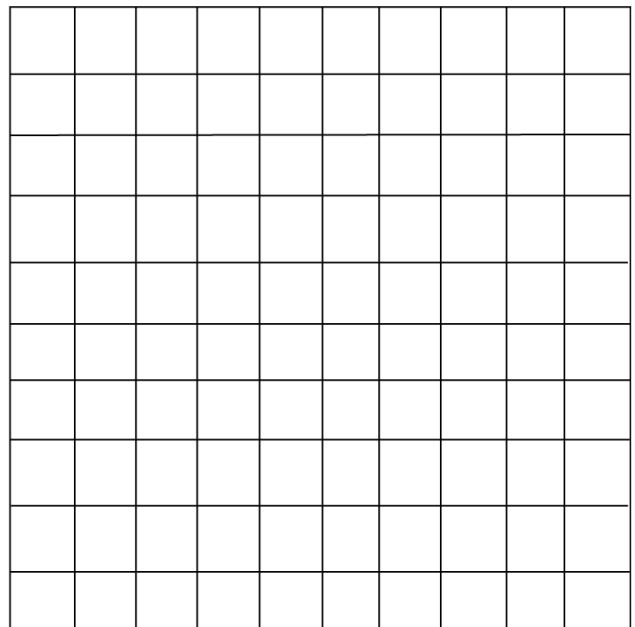
a) Write an equation for the total cost to join the gym for m months.

b) He is moving in six months and will no longer be using this gym. Create a table to show his total cost each month.

<i>month</i>							
<i>Cost</i>							

c) Graph the total monthly cost for the first six months.

Label all parts of your graph.



d) What is the domain?

e) What is the range?

Evaluate the function when $x = 4$.

$$f(x) = -2x - 5$$

$$g(x) = -x + 3$$