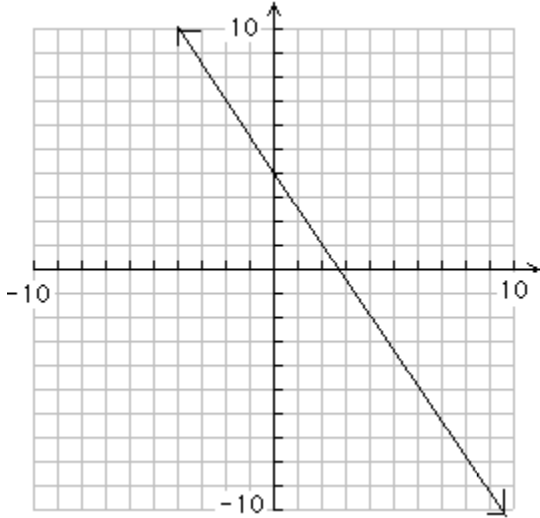


## Module 5 Confirmation Test Review

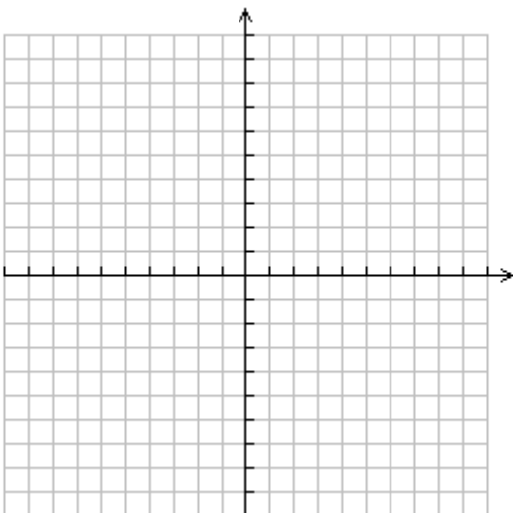
- Given the graph
  - Find the slope of the line.
  - State the y-intercept of the line.
  - State the x-intercept of the line.
  - Write an equation that describes the points on the line.



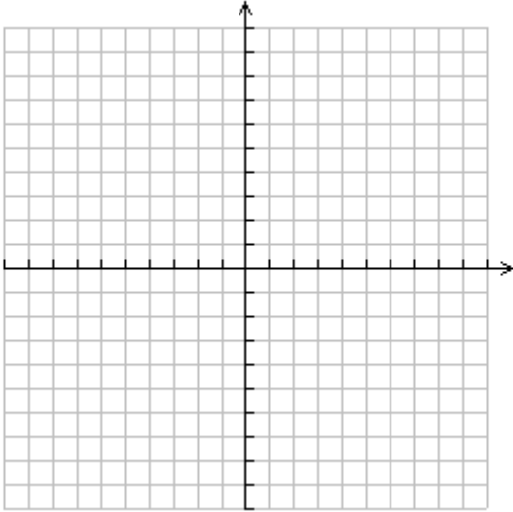
- Construct a table of values that satisfy the linear equation  $5x - 2y = 12$ .

x	y

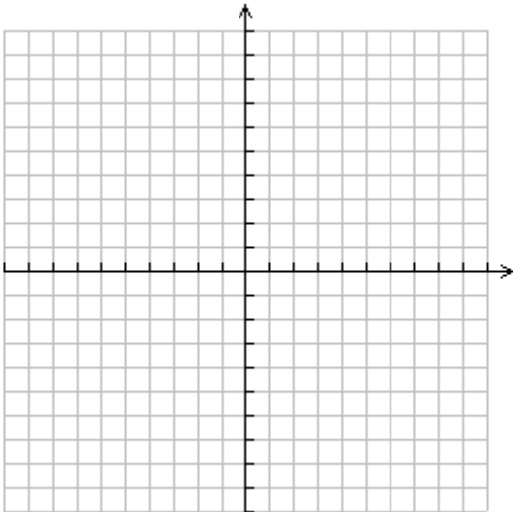
- Graph the line.
- What is the slope of this line?



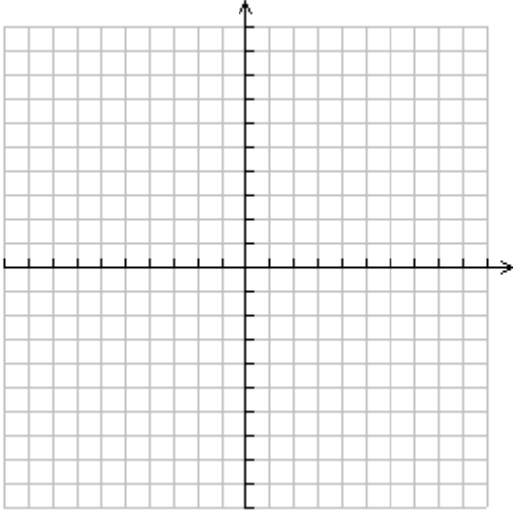
3. Graph the line  $y = -3x - 4$  using the slope and y-intercept.



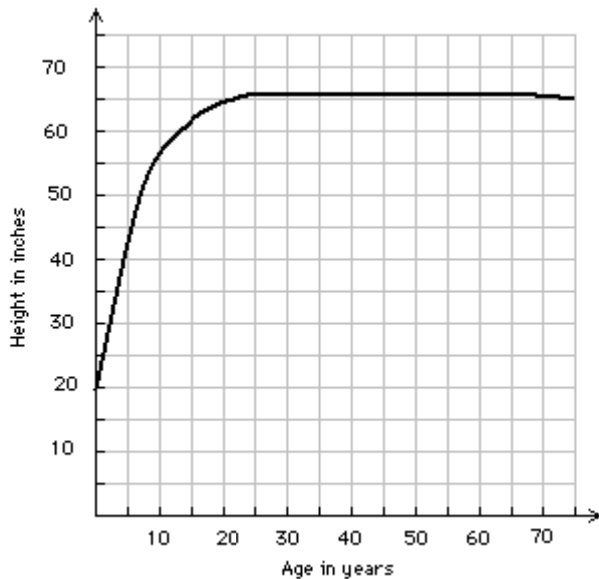
4. Graph the line  $6x - 3y = 12$  using the two intercepts.



5. Kathy earns \$25 an hour tutoring and \$10 an hour babysitting.
- Write an inequality in two variables for the number of hours she needs to work at each job if she wants to earn at least \$900.
  - Graph the inequality.
  - Give three possible solutions to the inequality.



6. (Choose all that apply) A graph showing height of a person for different ages is shown below. Choose the correct description(s) from the following choices:



- Height is a function of age.
- Age is a function of height.
- This is the graph of a function.
- The graph fails the vertical line test.
- Height is the independent variable.
- Height is the dependent variable.

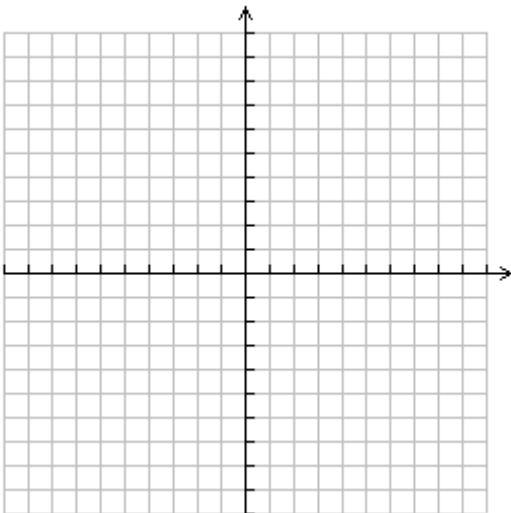
7. Identify whether the following two lines are parallel, perpendicular, or neither.

$$3x + 2y = 7$$

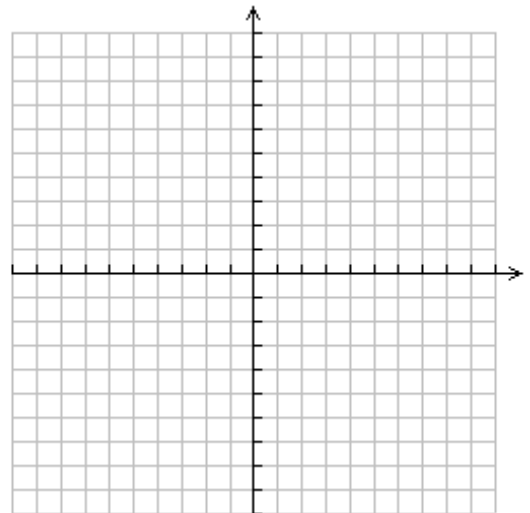
$$y = \frac{2}{3}x + 7$$

8. Graph the following equation and inequality.

a)  $2x + 8 = 0$



b)  $-3y + 6 > 0$



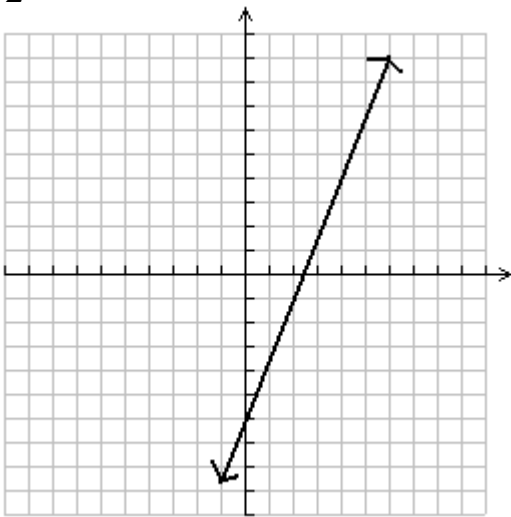
1. a)  $-\frac{3}{2}$    b) (0, 4)   c) (2.7, 0)   d)  $y = -\frac{3}{2}x + 4$

2a.

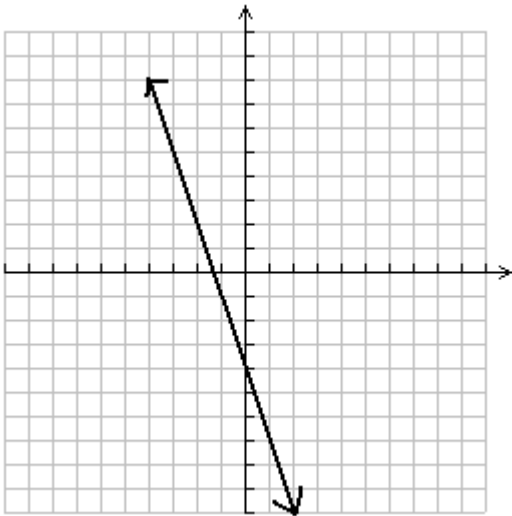
x	y
-2	-11
0	-6
2	-1
4	4
6	9

2b.  $\frac{5}{2}$

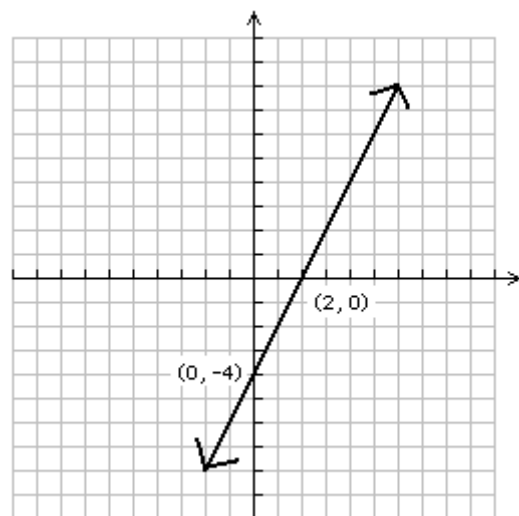
2c.



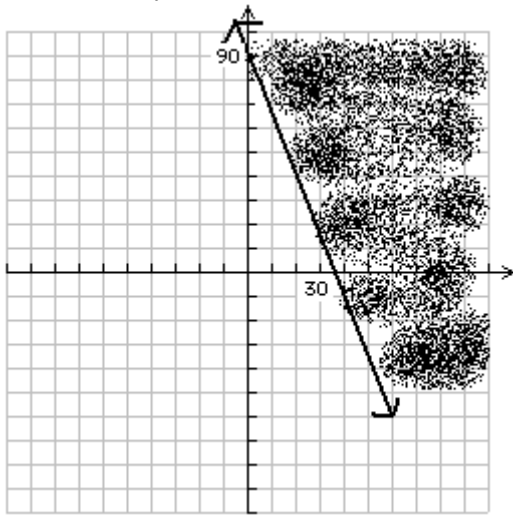
3.



4.



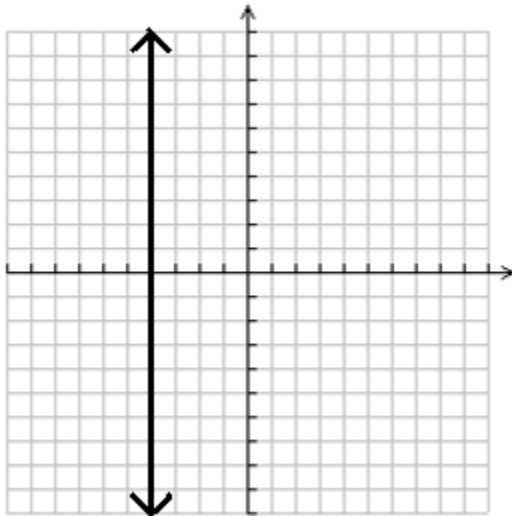
5. a)  $25x + 10y \geq 900$   
 b) 13b.



- c) examples of possible solutions include:  
 (40, 10) 40 hours of tutoring and 10 hours of babysitting  
 (0, 90) 90 hours of babysitting  
 (30, 30) 30 hours of each

6. A, C, F  
 7. perpendicular

8. a)



b)

