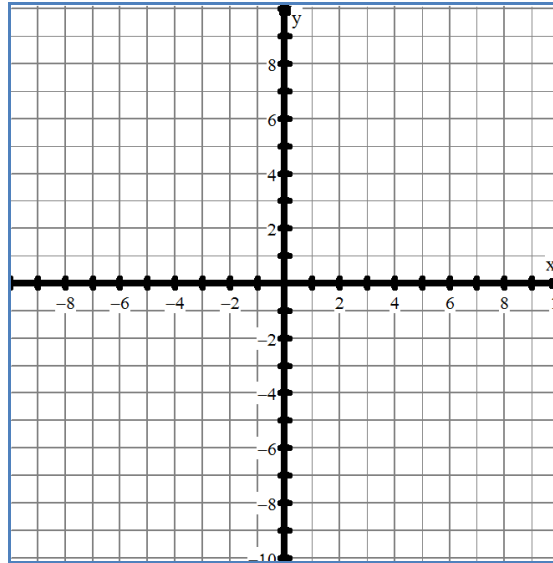


Name: \_\_\_\_\_

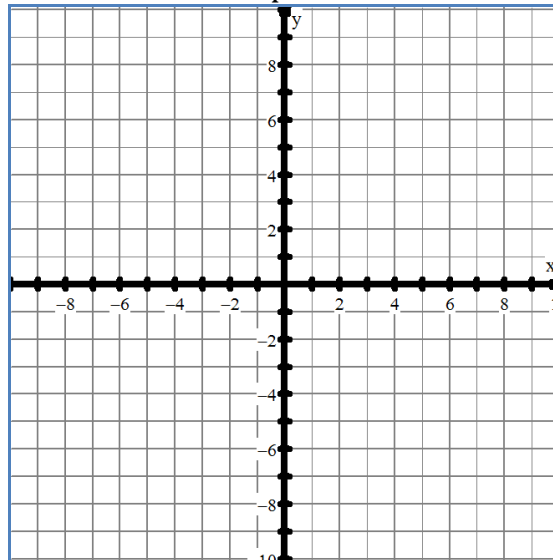
Block: \_\_\_\_\_

## Graphs and Equations!

1. Consider the line represented by the equation  $y=3x+2$ .
  - a. What is the slope of this line?
  - b. What is the y-intercept of this line?
  - c. Graph this line on the coordinate plane.

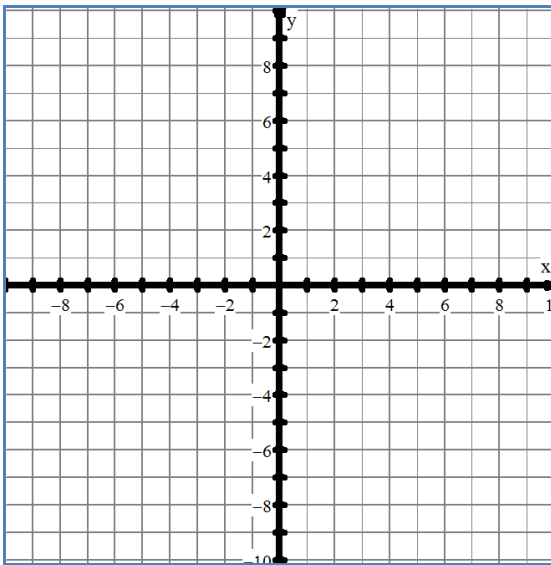


2. Consider the line represented by the equation  $y=\frac{1}{2}x-3$ .
  - a. What is the slope of this line?
  - b. What is the y-intercept of this line?
  - c. Graph this line on the coordinate plane.

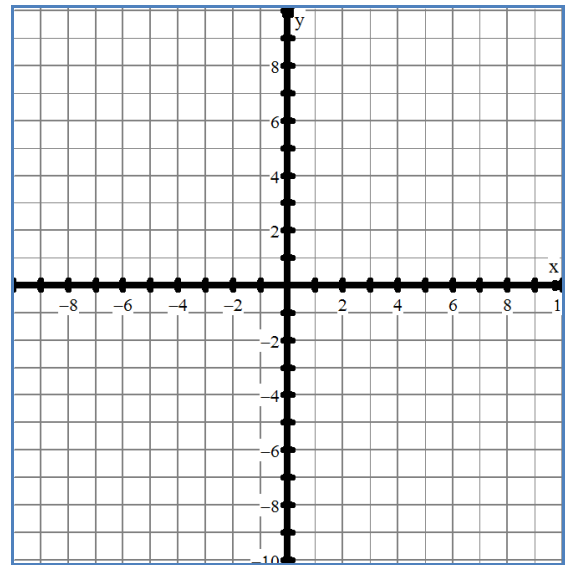


3. Graph the following lines:

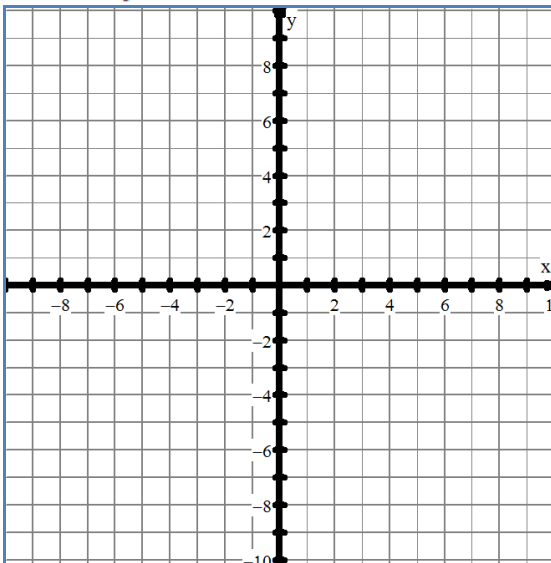
a.  $y=4x-7$



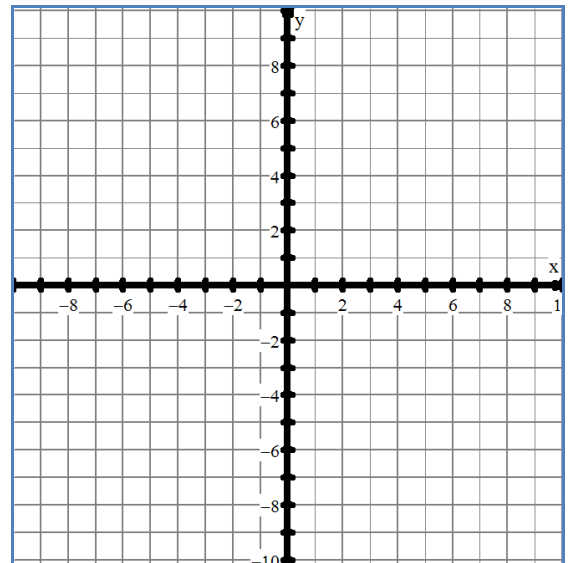
b.  $y=-2x+1$



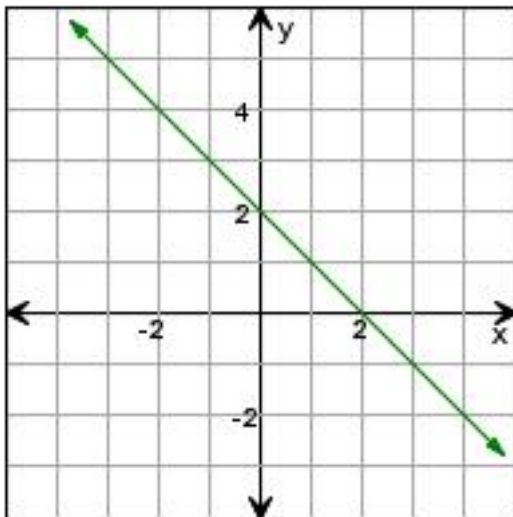
c.  $y=-\frac{3}{4}x+3$



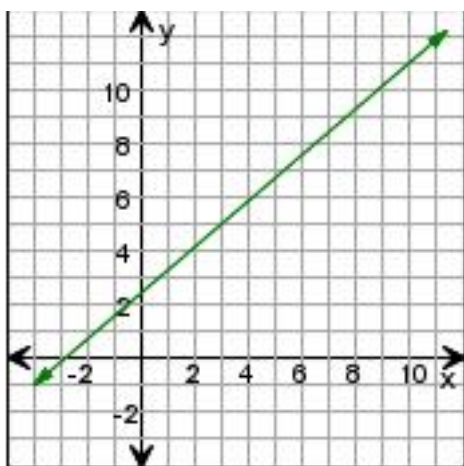
d.  $y=x$



4. Consider the graph below:
- What is the slope of this line?
  - What is the y-intercept of this line?
  - Write the equation of the line in slope-intercept form.



5. Consider the graph below:
- What is the slope of this line?
  - What is the y-intercept of this line?
  - Write the equation of the line in slope-intercept form.



6. Write an equation in slope-intercept form of each of the lines in the graphs below:

