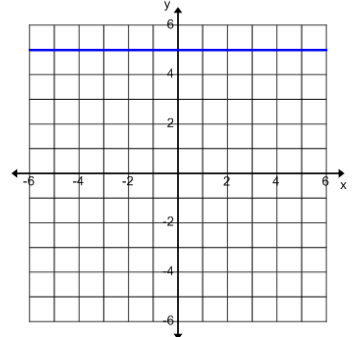
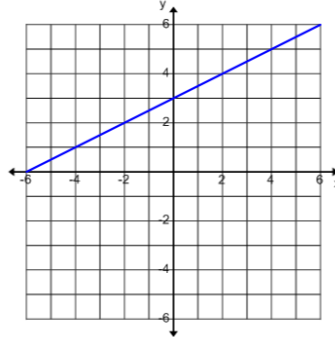
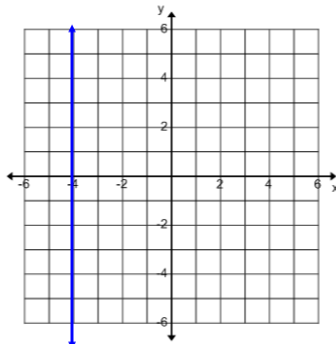
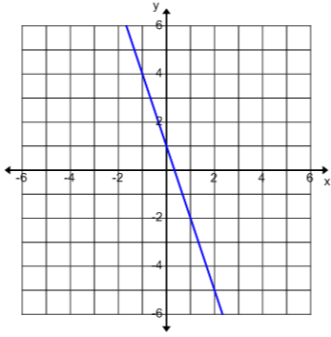


1. Identify the slope and the y intercept of the following lines (then write the equation of the line):



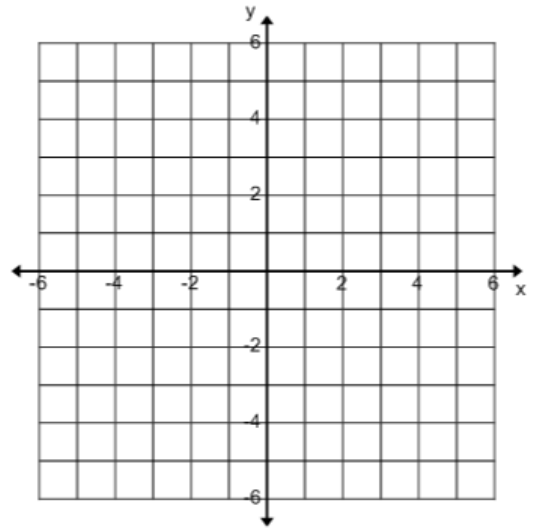
2. Identify the slope and the y intercept of each of the following lines then graph the line:

a)  $y = 2x - 3$

b)  $y = -\frac{5}{6}x + 4$

c)  $y = 5$

d)  $x = -3$



3. Identify which equation below is in standard form. Correct the equation if it is not in standard form.

a)  $-3x + y - 4 = 0$

b)  $2x - 3y + 4 = 0$

c)  $0 = \frac{1}{3}x - 7$

d)  $y = \frac{2}{3}x + \frac{1}{5}$

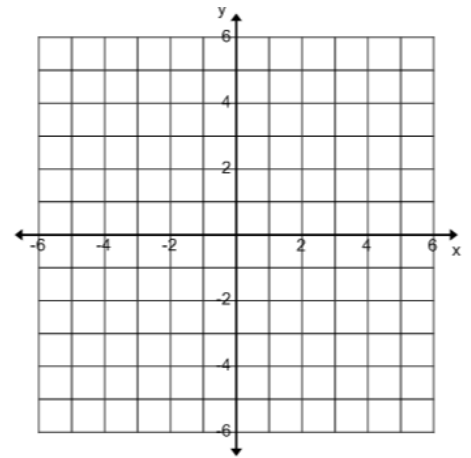
4. Rearrange the following into slope y-intercept form.

a)  $4x - 3y = 18$

b)  $\frac{1}{2}x + y - 4 = 0$

5. Calculate the x and y intercepts, then graph the following line.

$$5x + 2y = 10$$

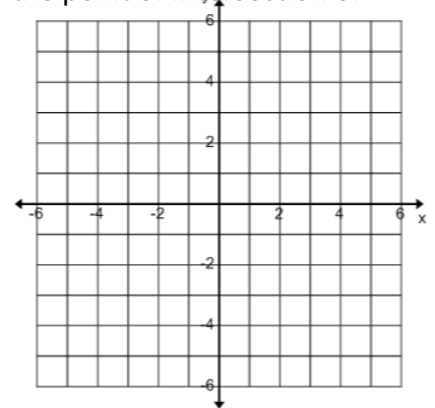


6. Determine the equation of a line that is :

a) parallel to  $y = -3x + 5$

b) perpendicular to  $5x + 2y + 14 = 0$

7. Find the equation of a line that goes through the point (4, 3) AND the point of intersection of  $y = 2x - 3$  and  $8x + 2y + 18 = 0$ .



For the test, you will need to know how to...

- create linear equations from graphs
- identify slope and y-intercept from a linear equation
- graph linear equations, including horizontal and vertical lines
- identify linear equations in standard form (and other forms) and be able to transfer between the different forms
- calculate the x and y-intercepts, and then use to graph
- determine the equation of a line given:
  - \*slope and y-intercept;
  - \*slope and point;
  - \*two points
- determine the solution to a linear system (point of intersection)
- determine the number of solutions for a linear system

U6D8 HW:  
page 352 #1-18 page 354 #1-13