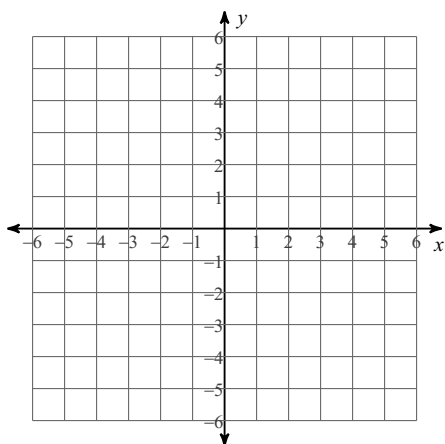


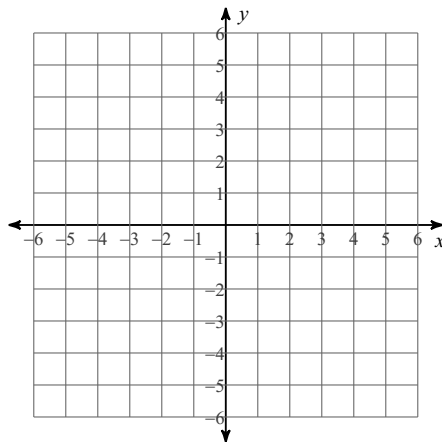
Summer Assignment - 2016

Sketch the graph of each line.

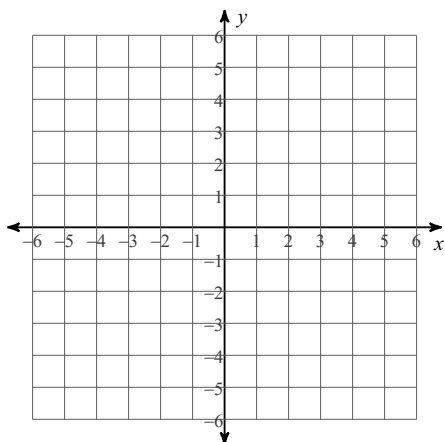
1) $y = -\frac{1}{3}x - 2$



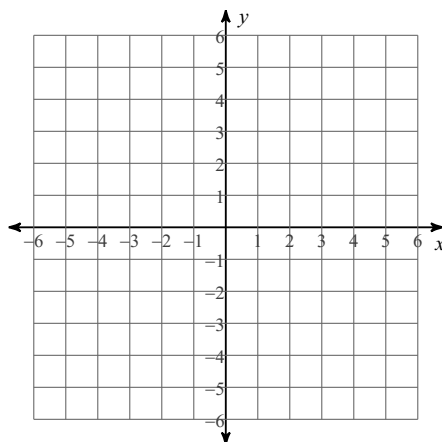
2) $y = 3x + 4$



3) $2x - y = -2$

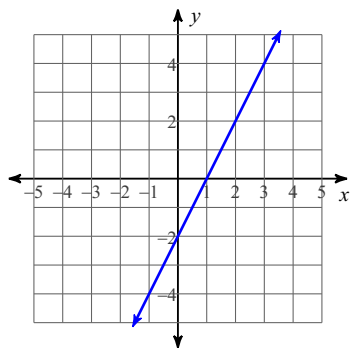


4) $5x + 2y = 8$

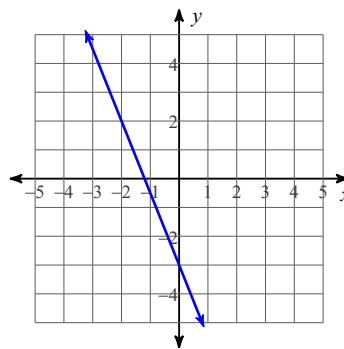


Write the slope-intercept form of the equation of each line.

5)



6)



Write the slope-intercept form of the equation of each line given the slope and y-intercept.

7) Slope = $\frac{5}{2}$, y-intercept = -4

8) Slope = -4 , y-intercept = -2

Write the slope-intercept form of the equation of the line through the given point with the given slope.

9) through: $(-2, -4)$, slope = $\frac{1}{2}$

10) through: $(1, 5)$, slope = 5

Write the slope-intercept form of the equation of the line through the given points.

11) through: $(0, -1)$ and $(-4, 5)$

12) through: $(3, -5)$ and $(2, -2)$

Write the slope-intercept form of the equation of the line described.

13) through: $(-3, -2)$, parallel to $y = x - 1$

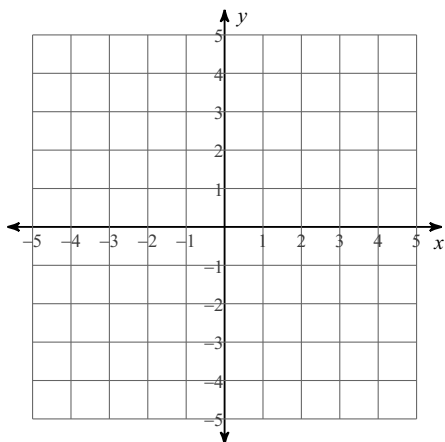
14) through: $(-5, -5)$, parallel to $y = \frac{4}{5}x - 2$

15) through: $(-4, 0)$, perp. to $y = x + 1$

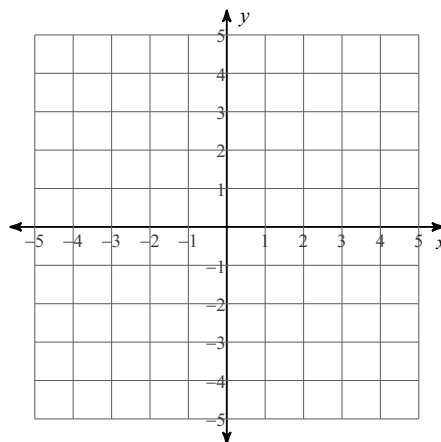
16) through: $(-3, 2)$, perp. to $y = \frac{3}{4}x + 4$

Solve each system by graphing.

17) $y = 8x - 4$
 $y = x + 3$



18) $3x - 2y = 6$
 $x + 4y = 16$



Solve each system by substitution.

19) $y = -3x - 17$
 $y = -4x - 20$

20) $y = 2x - 12$
 $-8x - 6y = 12$

21) $4x + 5y = 12$
 $y = 5x + 14$

22) $-3x + 3y = -15$
 $x - 5y = 13$

Solve each system by elimination.

23) $-9x - 4y = 5$
 $9x + 4y = -14$

24) $-6x + 10y = -28$
 $4x + 10y = 2$

25) $-2x + y = -4$
 $3x + 3y = 15$

26) $7x + 7y = -14$
 $-3x - 5y = -10$