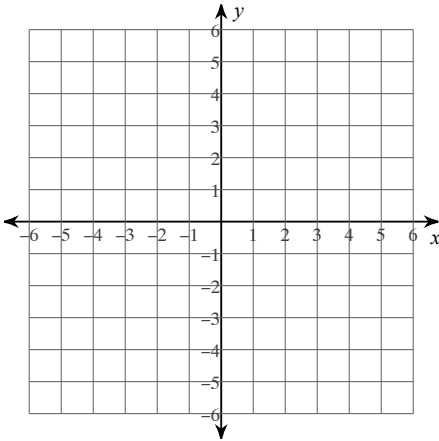


Assignment

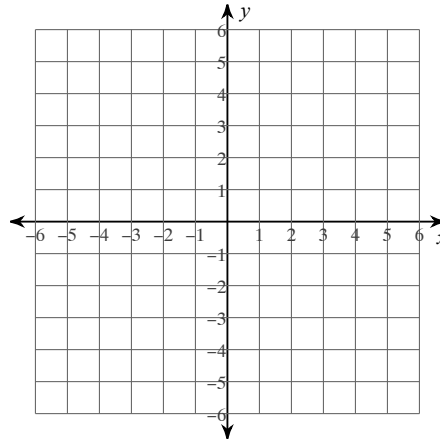
Date _____ Period _____

Sketch the graph of each line.

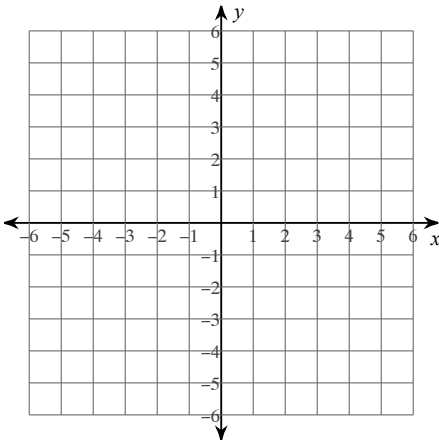
1) x -intercept = -4 , y -intercept = -3



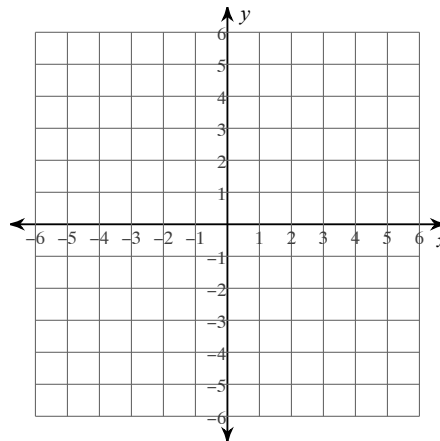
2) $6x - 5y = 5$



3) $y = \frac{7}{4}x + 5$



4) $-6x + 30 = -10y$



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

5) Slope = $\frac{7}{3}$, y-intercept = 2

Write the standard form of the equation of each line.

6) $y = -\frac{7}{5}x + 3$

7) $y + 1 = x - 1$

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

8) through: $(-1, -4)$, slope = undefined

Write the standard form of the equation of the line through the given points.

9) through: $(4, 5)$ and $(1, -1)$

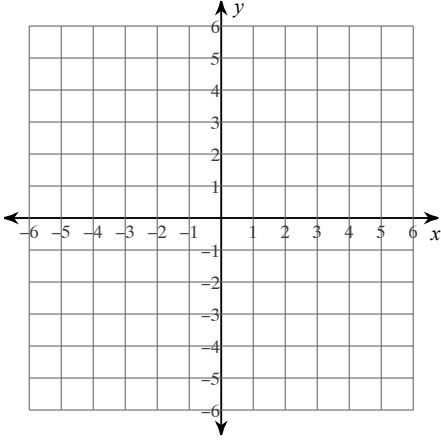
Write the standard form of the equation of the line described.

10) through: $(-2, 5)$, parallel to $y = -4x + 5$

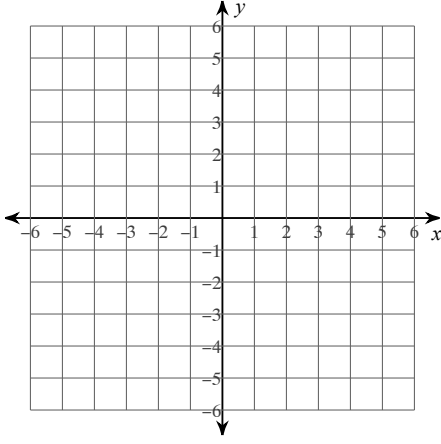
11) through: $(-5, 3)$, perp. to $y = -x + 1$

Sketch the graph of each linear inequality.

12) $7x + y \geq -4$



13) $y \leq -2x - 4$



Solve each system by elimination.

14) $10x - 2y = 20$
 $x - 3y = 16$

15) $8x + 8y = 16$
 $-6x + 3y = -30$

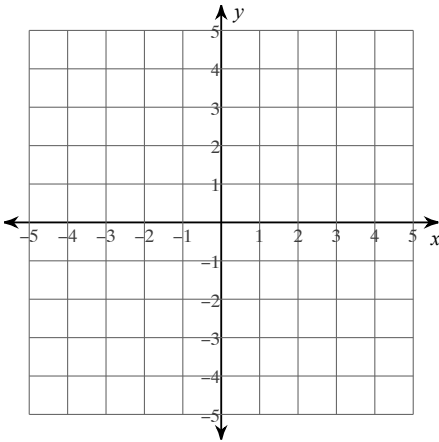
Solve each system by substitution.

16) $y = -2x + 14$
 $3x + 5y = 14$

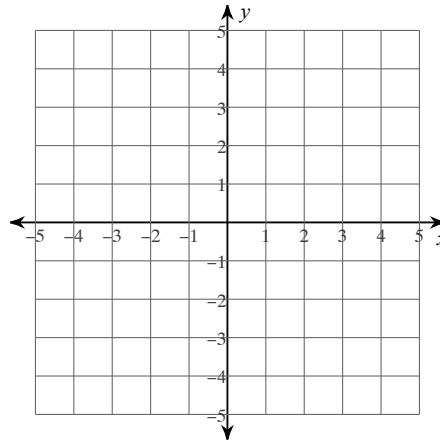
17) $x + 8y = -21$
 $-3x - y = 17$

Sketch the solution to each system of inequalities.

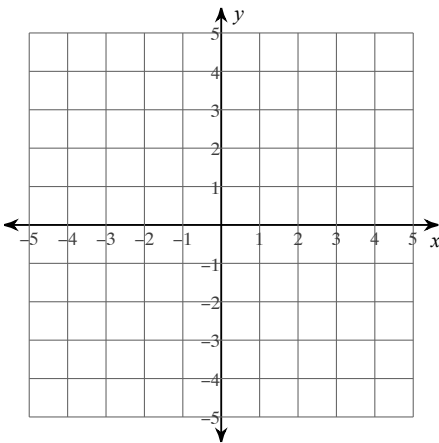
18) $4x + 3y < -3$
 $x + 3y < 6$



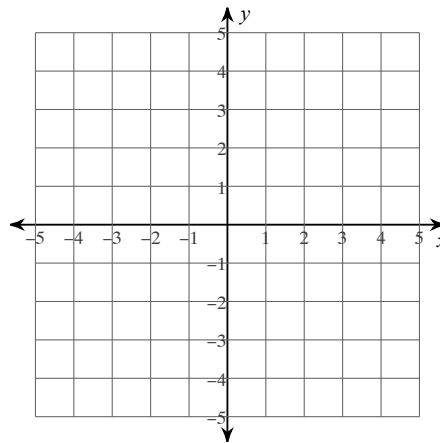
19) $3x + y > 2$
 $2x - y > 3$



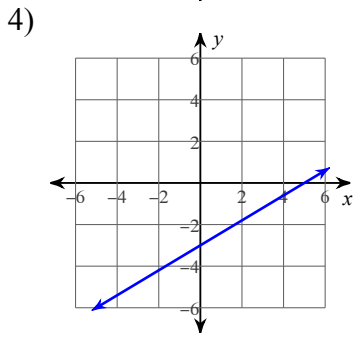
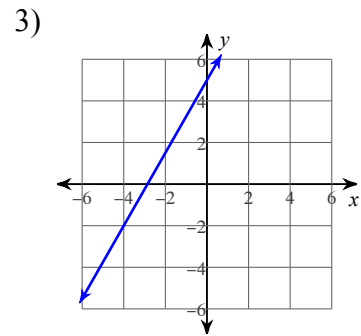
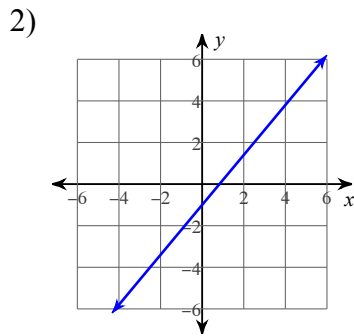
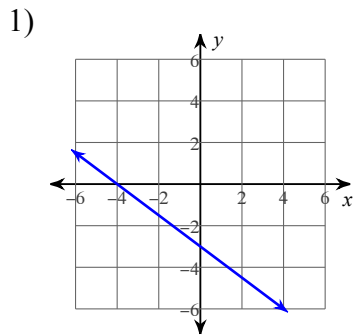
20) $y \leq -\frac{5}{3}x - 3$
 $y \leq -\frac{1}{3}x + 1$



21) $x > 2$
 $y < -\frac{1}{2}x + 3$



Answers to Assignment (ID: 1)



5) $7x - 3y = -6$

6) $7x + 5y = 15$

7) $x - y = 2$

8) $x = -1$

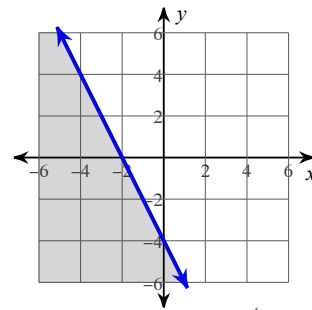
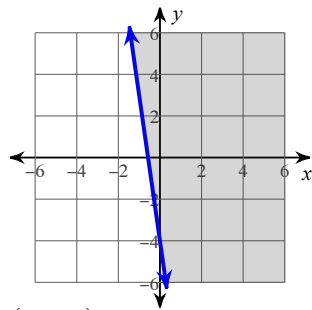
9) $2x - y = 3$

10) $4x + y = -3$

11) $x - y = -8$

12)

13)



14) $(1, -5)$

15) $(4, -2)$

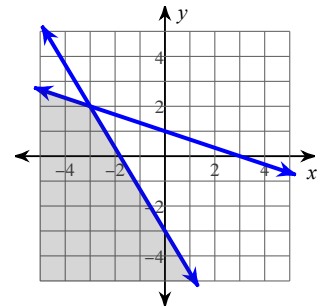
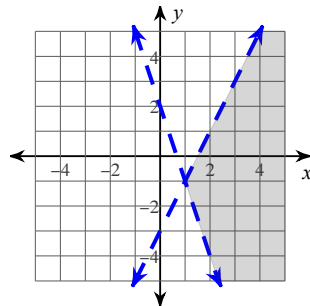
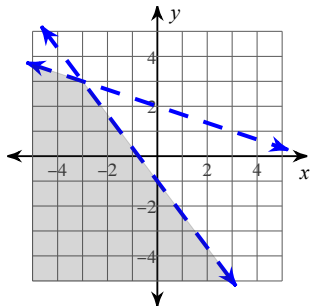
16) $(8, -2)$

17) $(-5, -2)$

18)

19)

20)



21)

