

Linear Equations/Inequalities

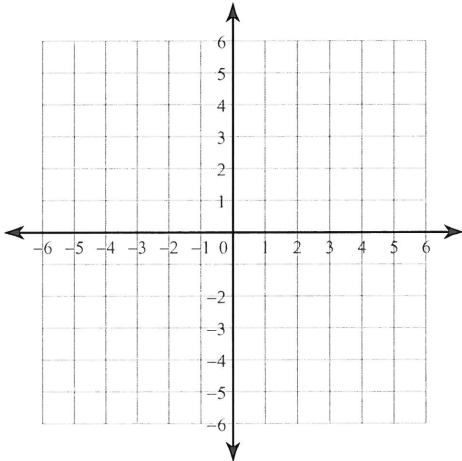
Date _____ Period _____

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

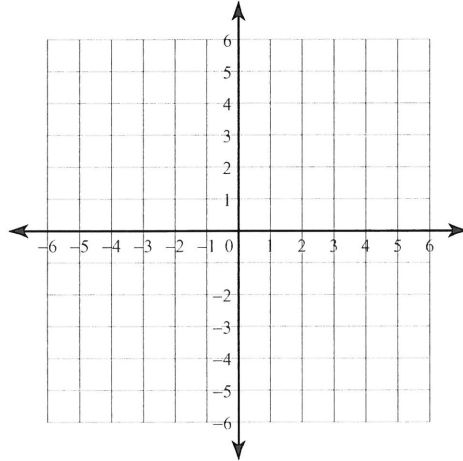
1) through: $(3, -2)$ and $(2, -4)$ 2) through: $(1, -3)$ and $(2, -5)$ 3) through: $(3, 4)$ and $(1, -5)$ 4) through: $(3, -1)$ and $(0, 1)$ 5) through: $(1, -2)$ and $(2, 1)$ 6) through: $(1, -5)$ and $(-2, 1)$

Sketch the graph of each line.

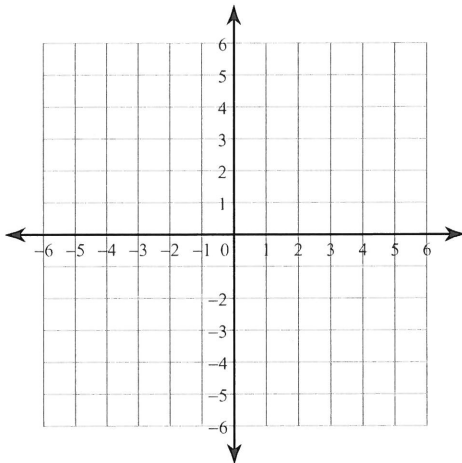
7) $-3 = -x - y$



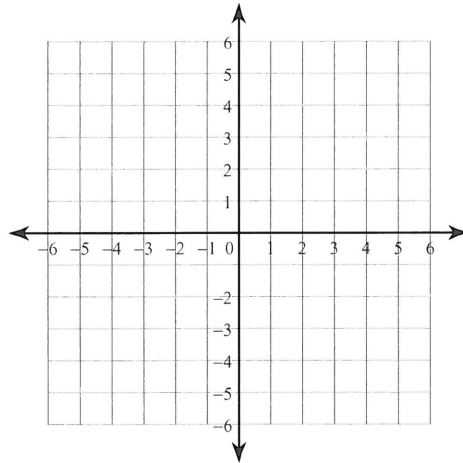
8) $-15 - 5y = -x$



9) $-2 + x = y$

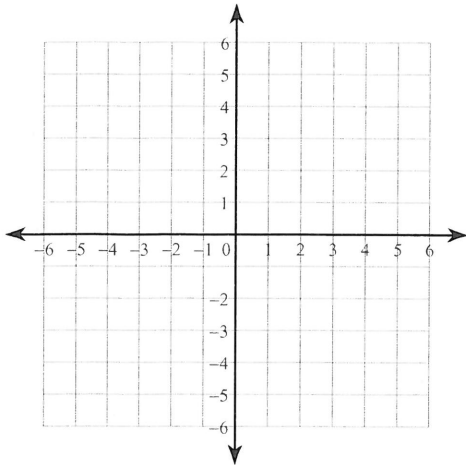


10) $-2x = -10y + 10$

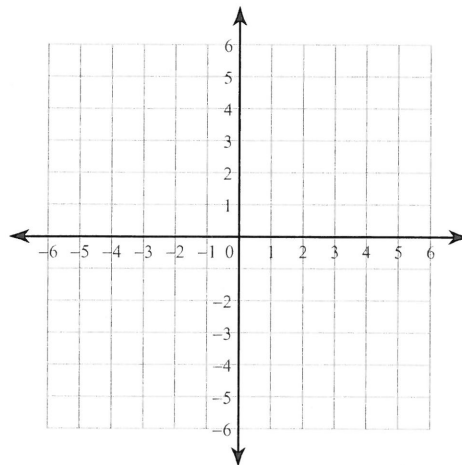


Sketch the graph of each linear inequality.

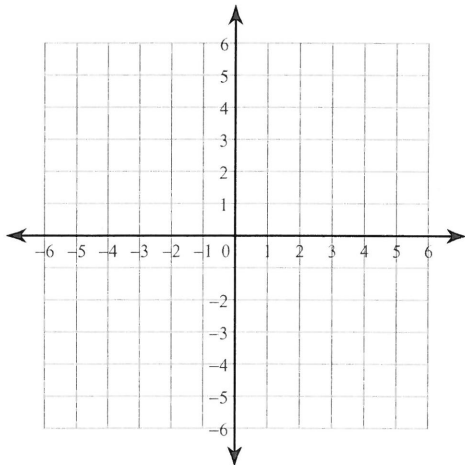
11) $y \geq -3$



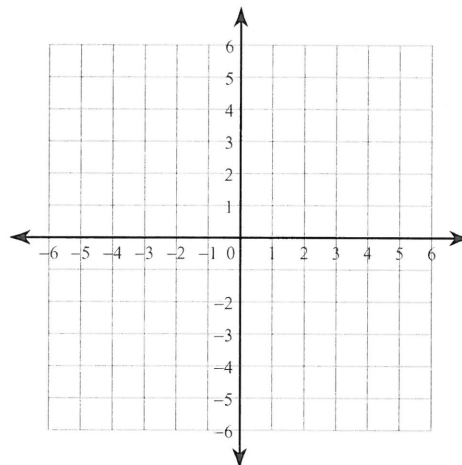
12) $5x + 3y < 0$



13) $3x + 2y > -2$



14) $8x - y \geq -3$



Answers to Linear Equations/Inequalities (ID: 1)

1) $y = 2x - 8$

2) $y = -2x - 1$

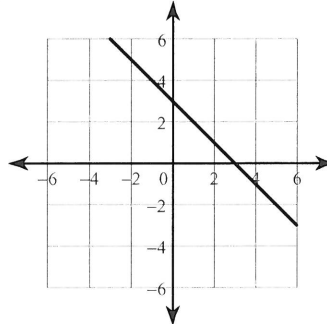
3) $y = \frac{9}{2}x - \frac{19}{2}$

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

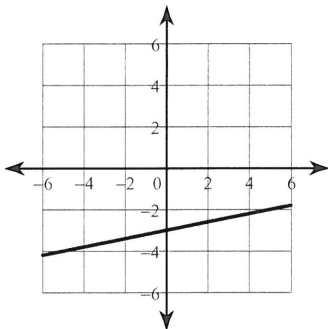
5) $y = 3x - 5$

6) $y = -2x - 3$

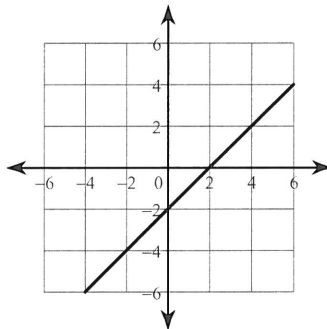
7)



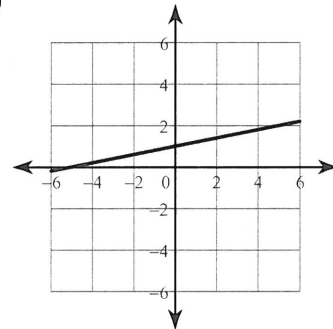
8)



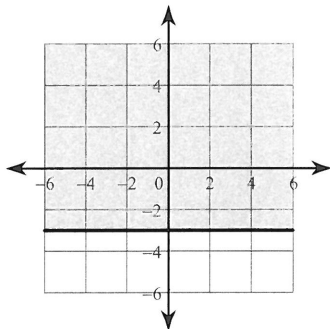
9)



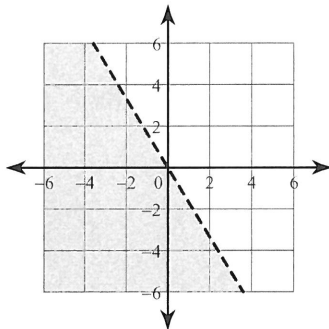
10)



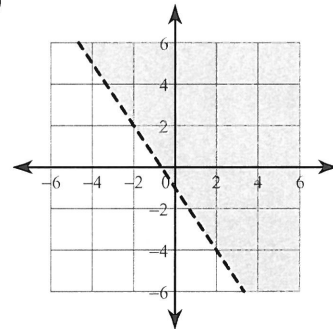
11)



12)



13)



14)

