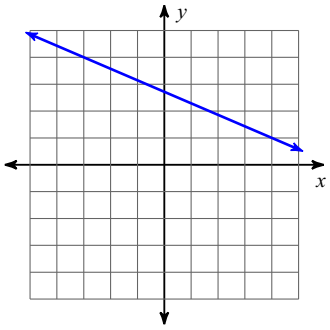
Algebra 1 - Douglas Anderson School of the Arts Name_____

Linear Functions Post-Break Refresher

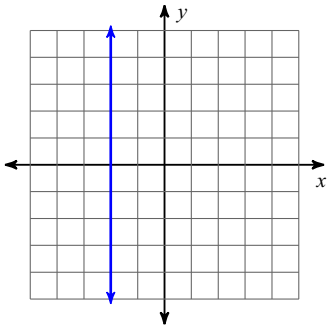
Date_____ Period____

Find the slope of each line.

1)



2)



Find the slope of the line through each pair of points.

3) $(-4, 5), (-4, 2)$

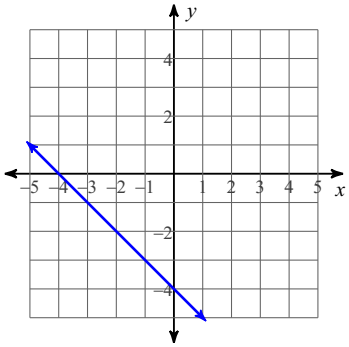
4) $(13, -4), (2, -7)$

5) $(14, -17), (17, -17)$

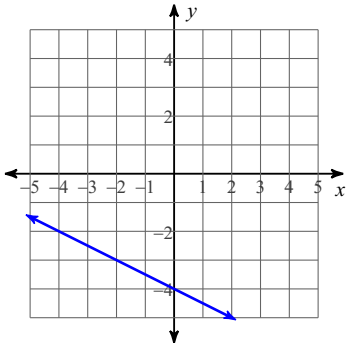
6) $(-14, 3), (-12, -14)$

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

7)

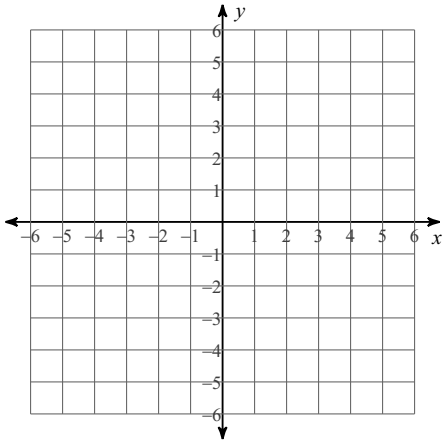


8)

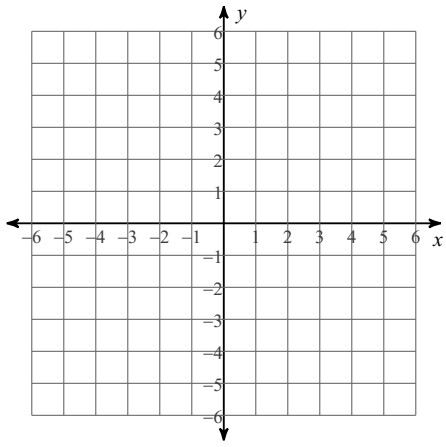


Sketch the graph of each line.

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



10) $y = -x - 5$



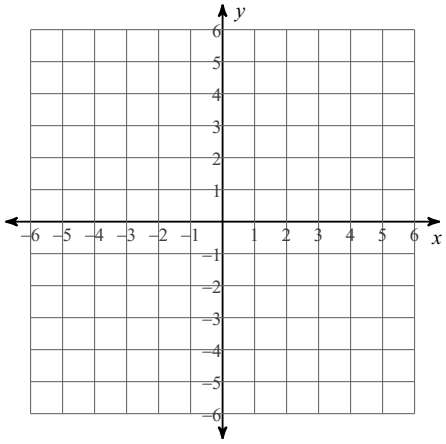
Write the slope-intercept form of the equation of each line.

11) $9x + 4y = -24$

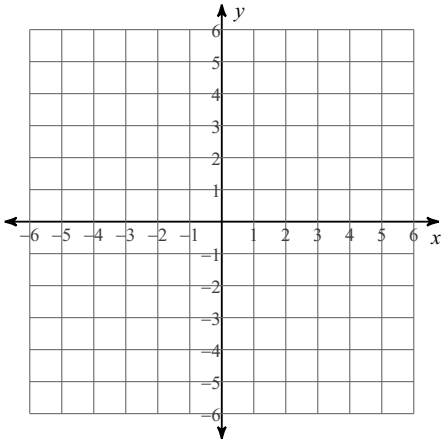
12) $7x - 2y = -6$

Sketch the graph of each line.

13) $x + y = -2$

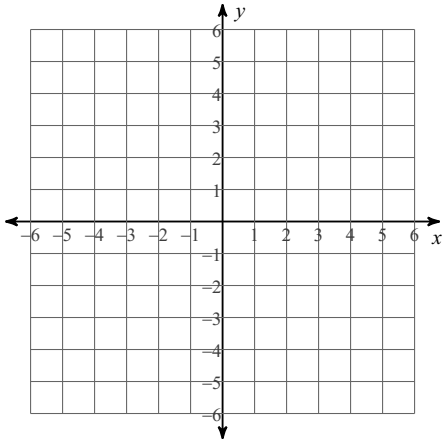


14) $2x - 5y = -5$

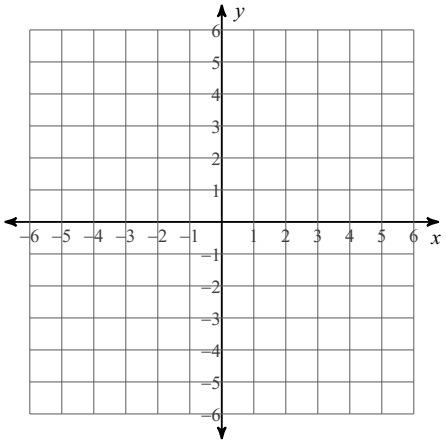


Sketch the graph of each linear inequality.

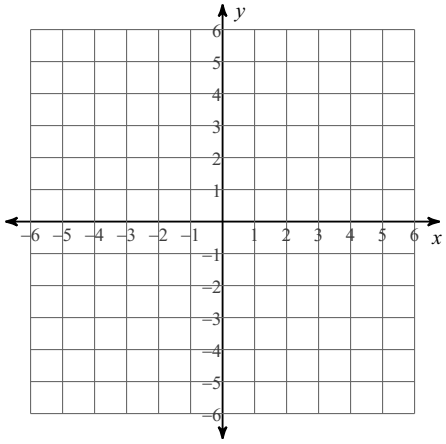
15) $y \geq \frac{2}{3}x + 4$



16) $y < 3x - 4$



17) $3x + 2y \geq 10$



18) $4x - y \leq 0$