

HW34: Review

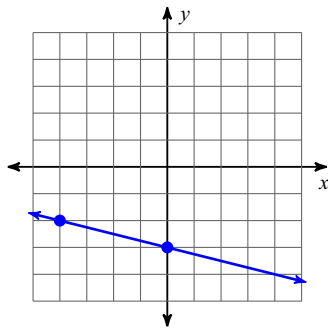
Find the slope of the line through each pair of points.

1) $(18, 5), (-18, 3)$

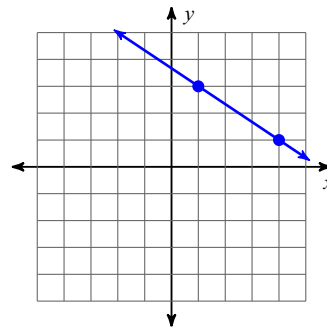
2) $(-16, 12), (-6, -10)$

Find the slope of each line.

3)



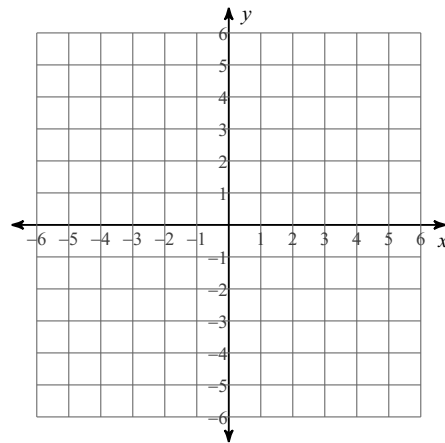
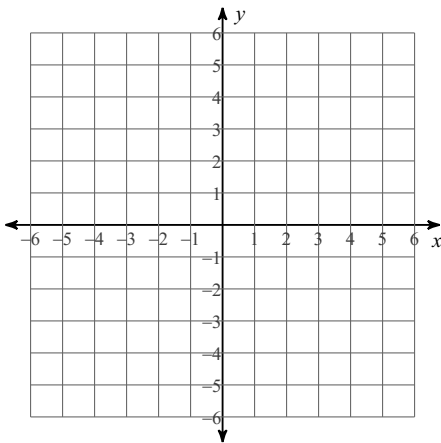
4)



Sketch the graph of each line.

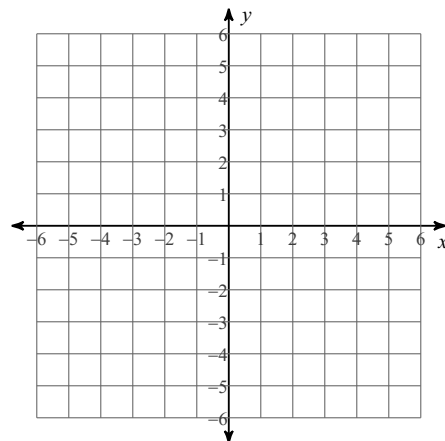
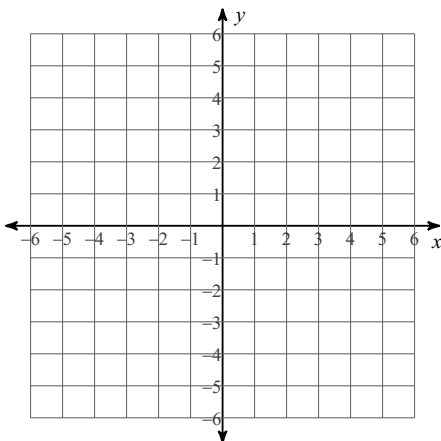
5) $y = \frac{7}{5}x + 2$

6) $y = \frac{1}{5}x + 4$

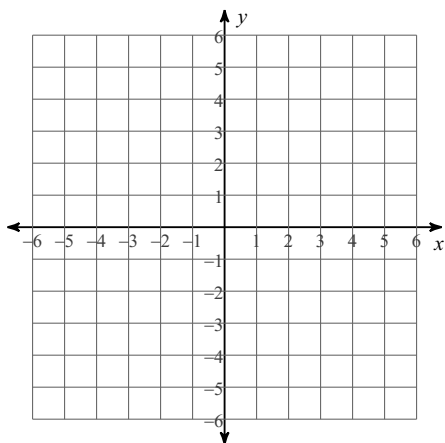


7) $x = -4$

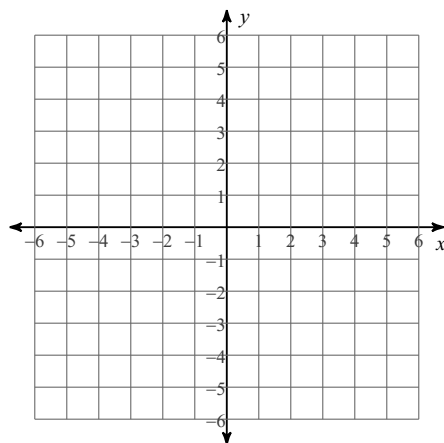
8) $y = -x + 4$



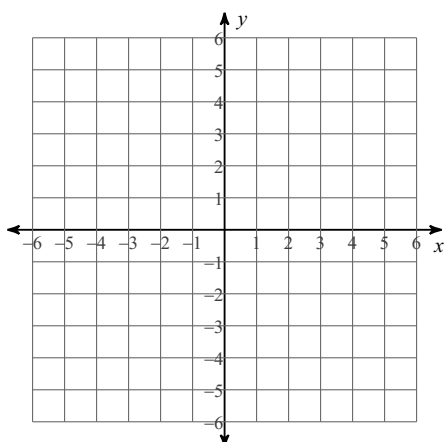
9) $x + 2y = -6$



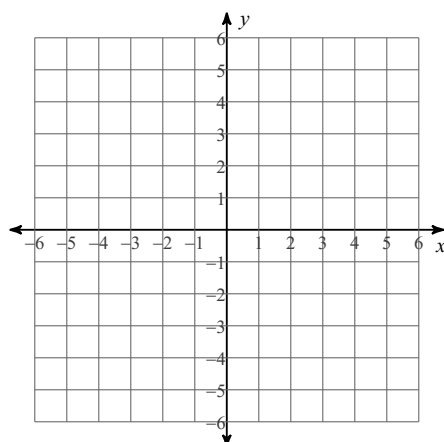
10) $x + 5y = 10$



11) $3x + 5y = 20$

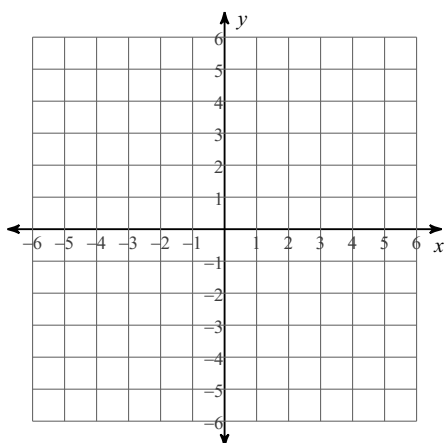


12) $x = 0$

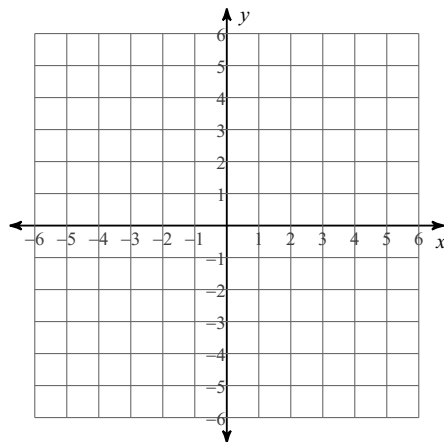


Sketch the graph of each linear inequality.

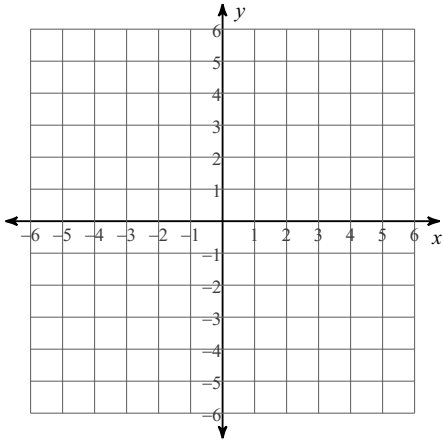
13) $y \geq -\frac{1}{5}x + 2$



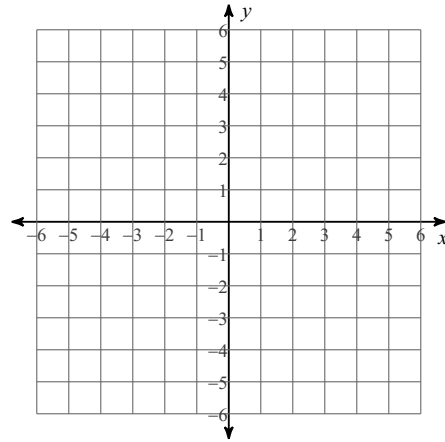
14) $y \geq -x + 1$



15) $y > -3x - 5$



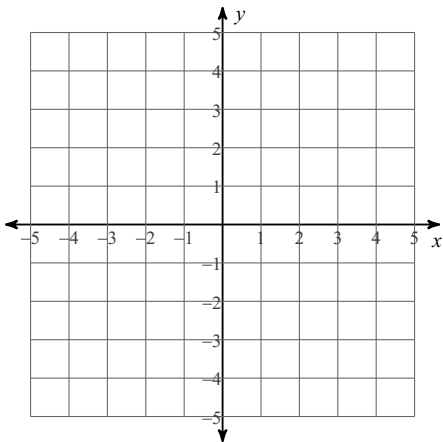
16) $y > -\frac{3}{5}x - 4$



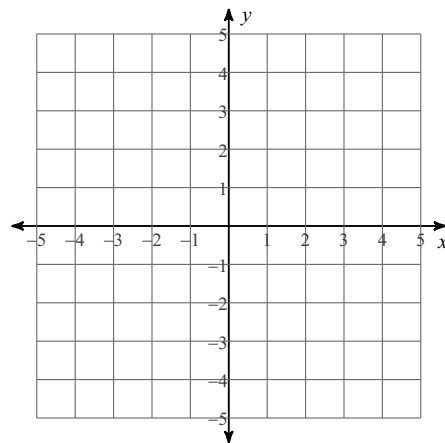
Solve each system by graphing.

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

$y = \frac{5}{2}x - 2$



18) $y = -3x - 4$
 $y = 2x + 1$



Solve each system by elimination.

19) $-3x - y = -2$
 $2x + y = 4$

20) $2x + 7y = 18$
 $9x + 7y = -17$

21) $-16x + 4y = -24$
 $-8x + 2y = -12$

22) $-6x - 10y = -14$
 $3x - 2y = -7$

Solve each system by substitution.

23) $-8x - y = 13$
 $y = -2x - 1$

24) $6x - y = 11$
 $y = 3x - 8$

25) $y = 5x - 2$
 $y = x + 6$

26) $y = 2x - 17$
 $y = 3x - 24$