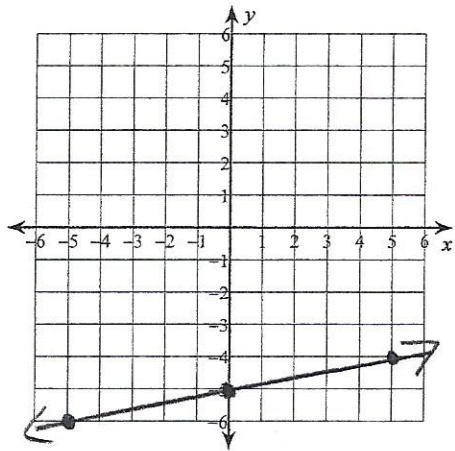


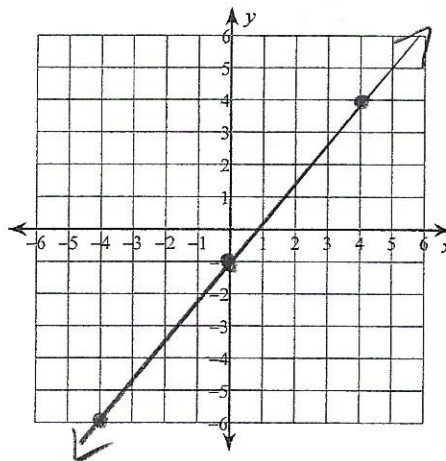
Graph Linear Inequalities

Sketch the graph of each line.

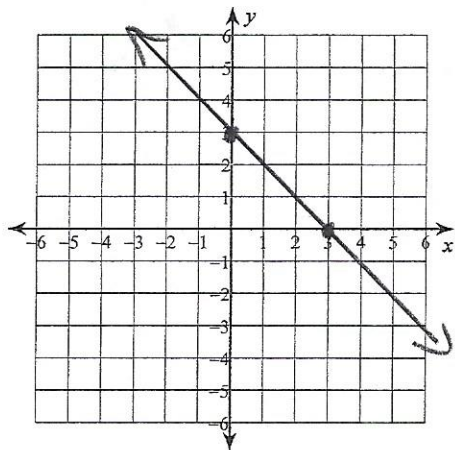
1) $y = \frac{1}{5}x - 5$



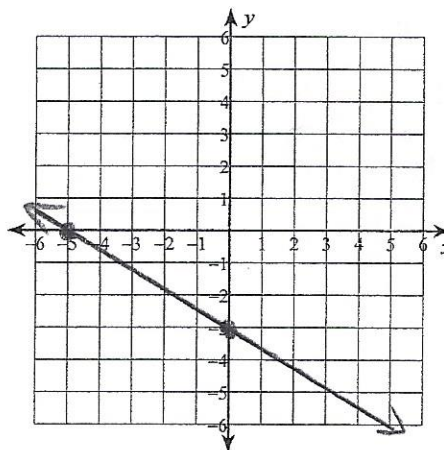
2) $y = \frac{5}{4}x - 1$



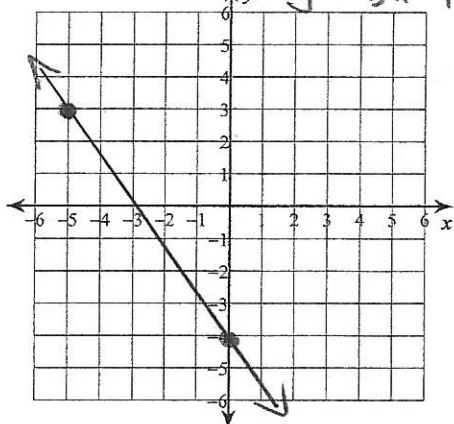
3) x-intercept = 3, y-intercept = 3



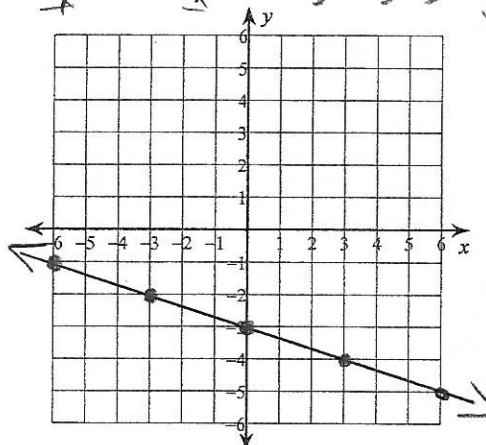
4) x-intercept = -5, y-intercept = -3



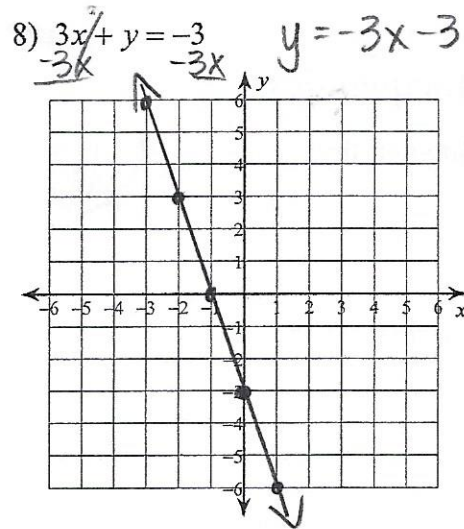
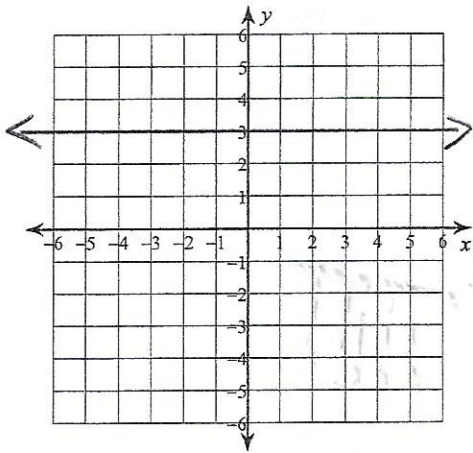
5) $7x + 5y = -20$
 $\frac{5y}{5} = \frac{-7x-20}{5}$
 $y = -\frac{7}{5}x - 4$



6) $x + 3y = -9$
 $\frac{3y}{3} = \frac{-x-9}{3}$
 $y = -\frac{1}{3}x - 3$

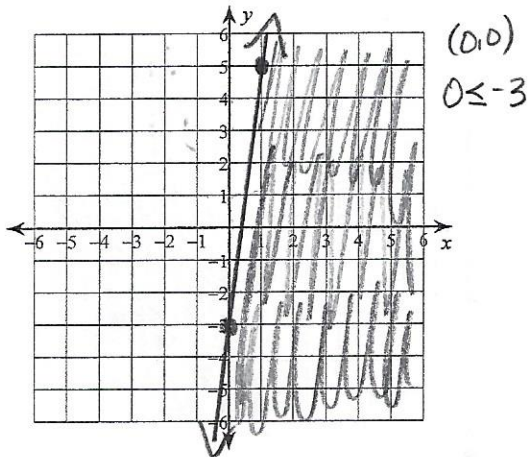


7) $y = 3$

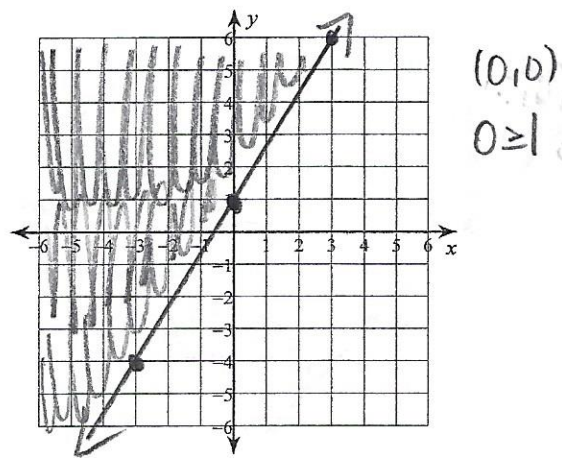


Sketch the graph of each linear inequality.

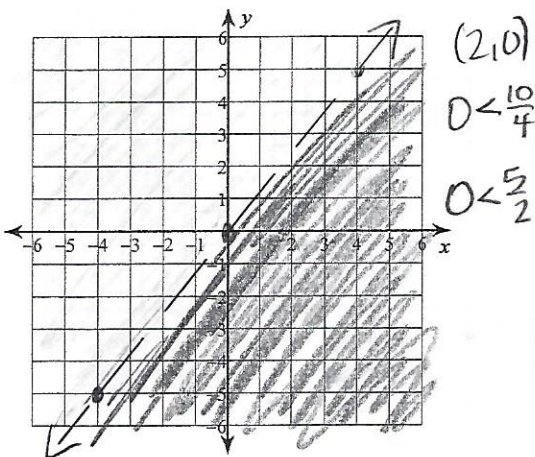
9) $y \leq 8x - 3$



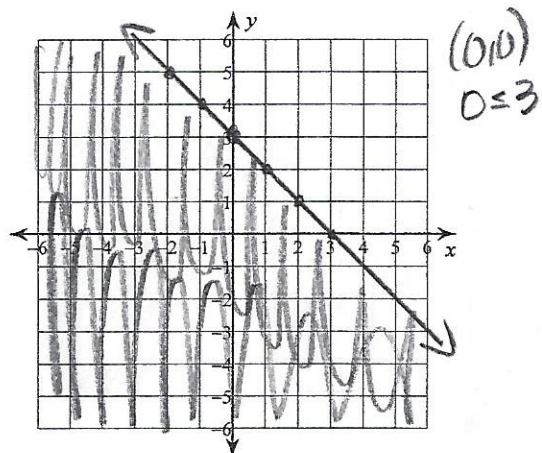
10) $y \geq \frac{5}{3}x + 1$



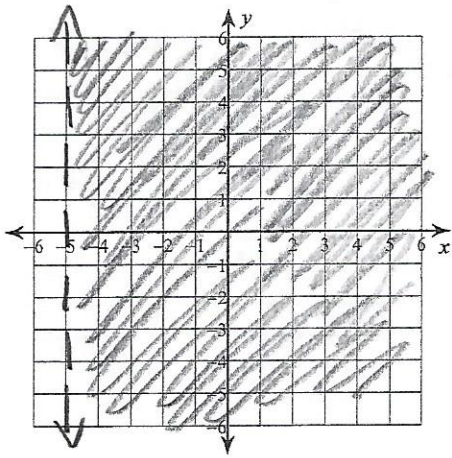
11) $y < \frac{5}{4}x$



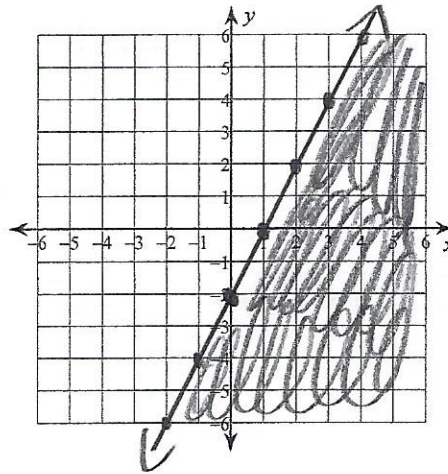
12) $y \leq -x + 3$



13) $x > -5$

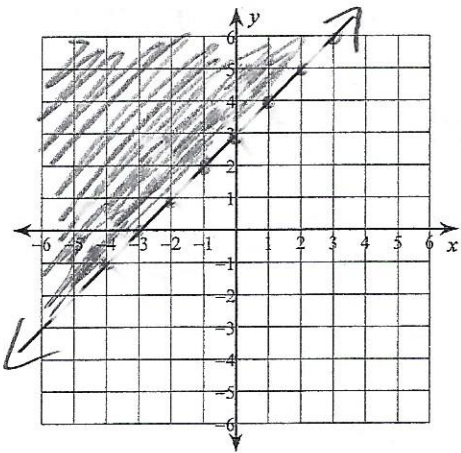


14) $y \leq 2x - 2$



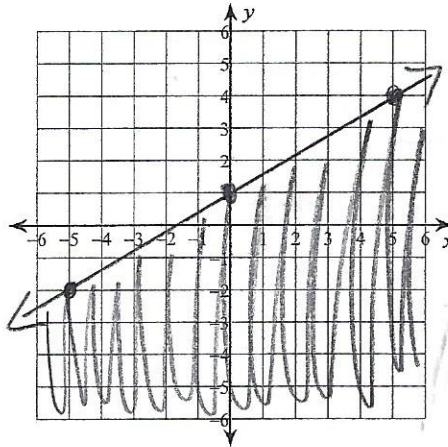
(0,0)
 $0 \leq -2$

15) $y > x + 3$



(0,0)
 $0 > 3$

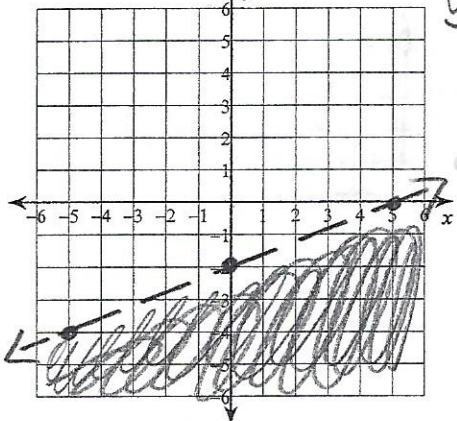
16) $y \leq \frac{3}{5}x + 1$



(0,0)
 $0 \leq 1$

17) $2x - 5y > 10$

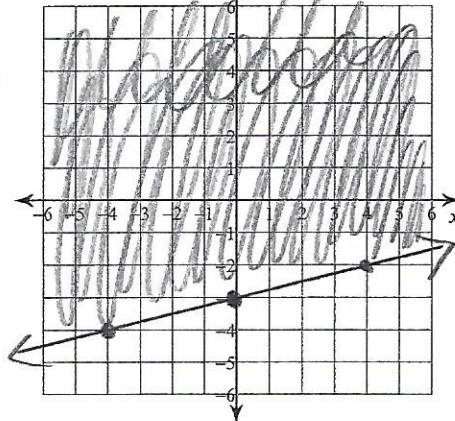
$\frac{-5y}{-5} > \frac{-2x+10}{-5}$
 $y < \frac{2}{5}x - 2$



(0,0)
 $0 > 10$

18) $x - 4y \leq 12$

$\frac{-4y}{-4} \leq \frac{-x+12}{-4}$
 $y \geq \frac{1}{4}x - 3$



(0,0)
 $0 \leq 12$

