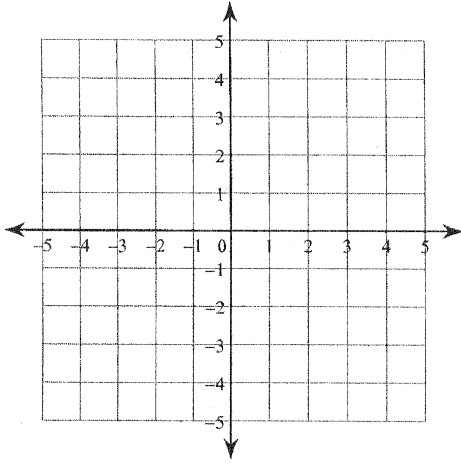


Graphing Linear Inequalities Day 1

Graph the inequalities.

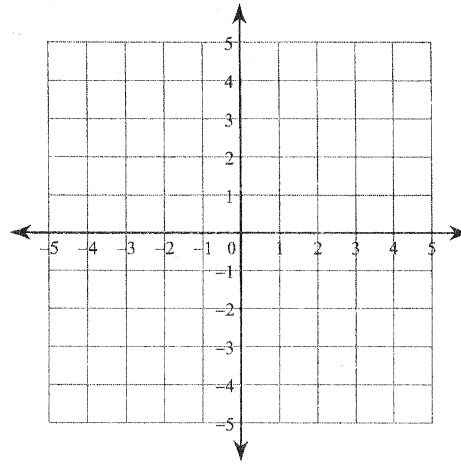
1)  $y > \frac{1}{2}x + 3$

$y > \frac{1}{2}x - 3$



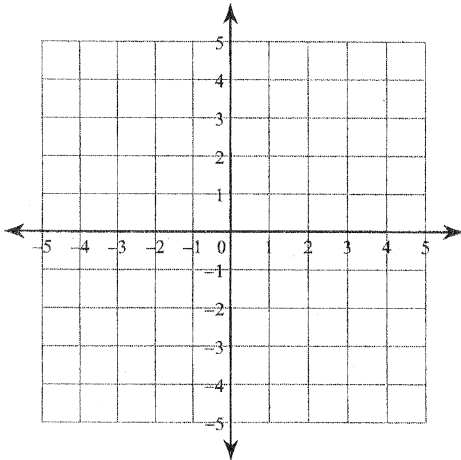
2)  $y \geq \frac{1}{3}x + 2$

$y \geq -\frac{2}{3}x - 1$



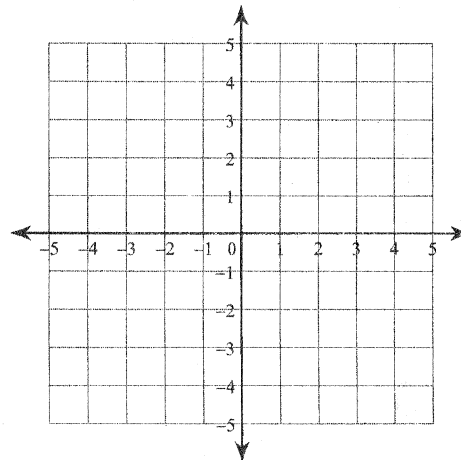
3)  $y \leq -\frac{1}{2}x + 1$

$y < \frac{1}{2}x + 3$



4)  $y \geq -\frac{1}{3}x - 3$

$y \geq \frac{1}{3}x - 1$



Solve each inequality and graph its solution.

5)  $|10v| \leq 30$

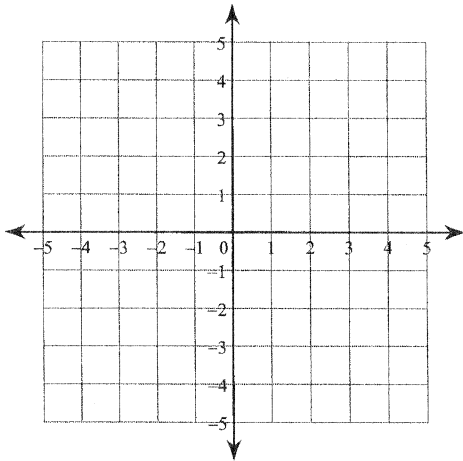


6)  $|p - 4| < 14$

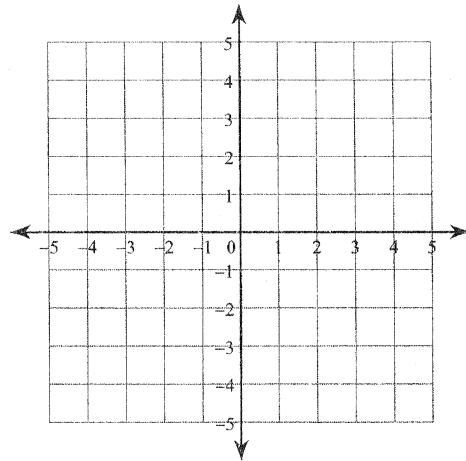


Graph the inequalities.

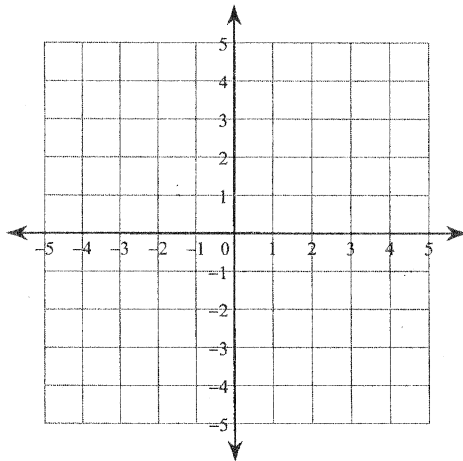
7)  $y \leq -4x - 3$   
 $y \leq 2x + 3$



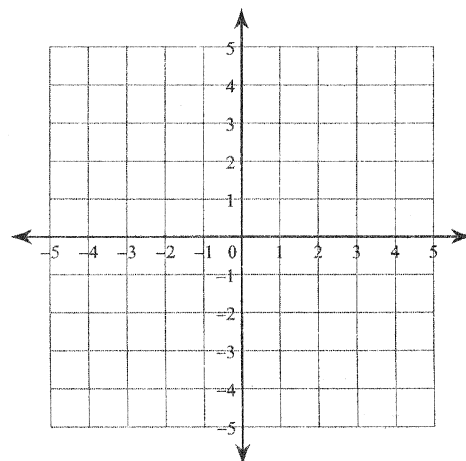
8)  $y < -\frac{5}{3}x + 2$   
 $y \leq -\frac{1}{3}x - 2$



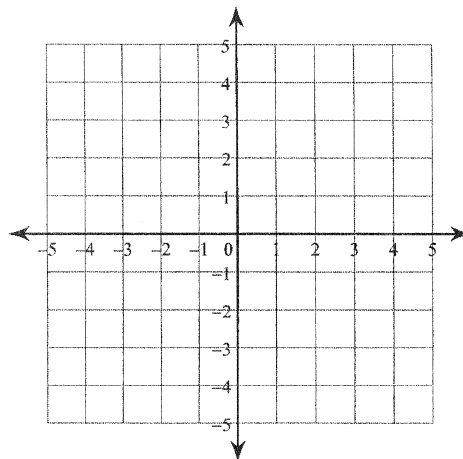
9)  $y > -3x + 3$   
 $y < -3$



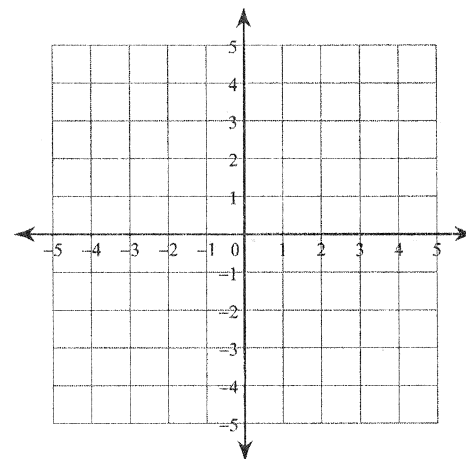
10)  $y > 2x + 2$   
 $y \geq \frac{1}{2}x - 1$



11)  $y > 2x - 1$   
 $y \geq 2x - 3$

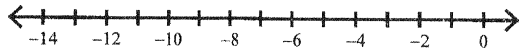


12)  $y > -3$   
 $y \leq 2x - 1$

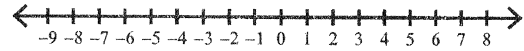


Solve each compound inequality and graph its solution.

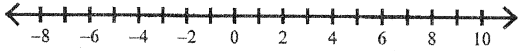
13)  $b + 3 < -7$  or  $10 + b > 6$



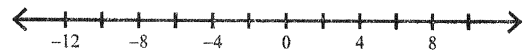
14)  $-1 < \frac{v}{7} < 1$



15)  $\frac{x}{3} \leq -1$  or  $7x \geq 42$

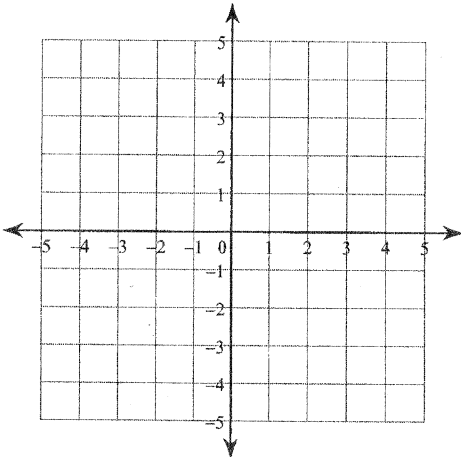


16)  $\frac{n}{2} \leq -5$  or  $n - 5 > 3$

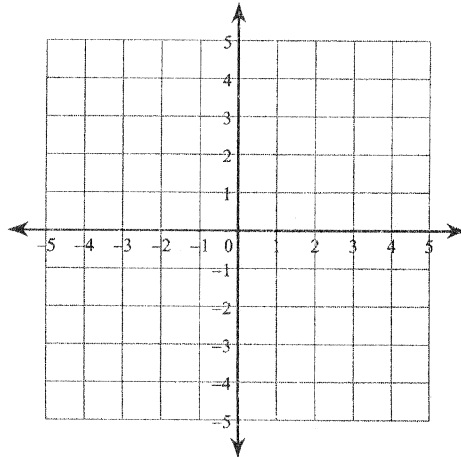


Graph the inequalities.

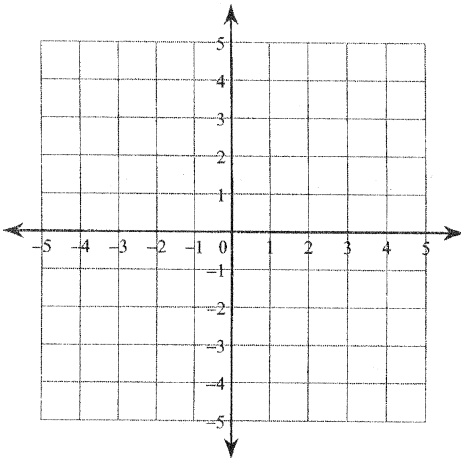
17)  $y < -x + 2$   
 $y \leq -4x - 1$



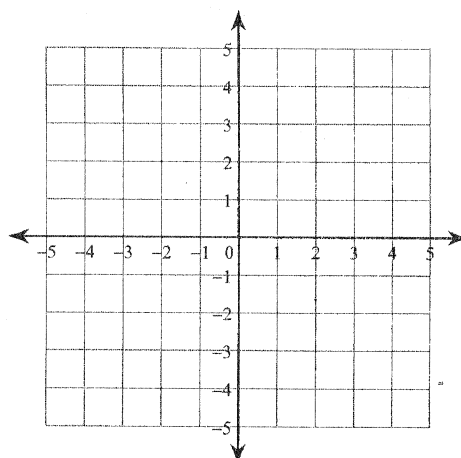
18)  $y > -\frac{1}{3}x - 2$   
 $y < x + 2$



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

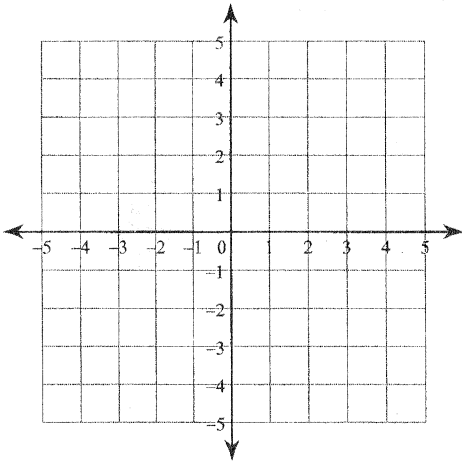


20)  $y \leq -x + 2$   
 $y \geq \frac{1}{3}x - 2$



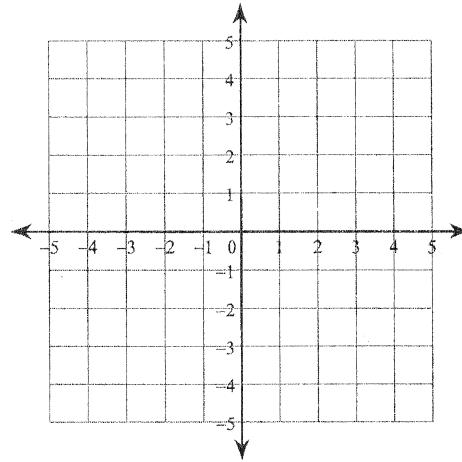
$$21) y < \frac{1}{2}x - 2$$

$$y > \frac{1}{2}x + 1$$



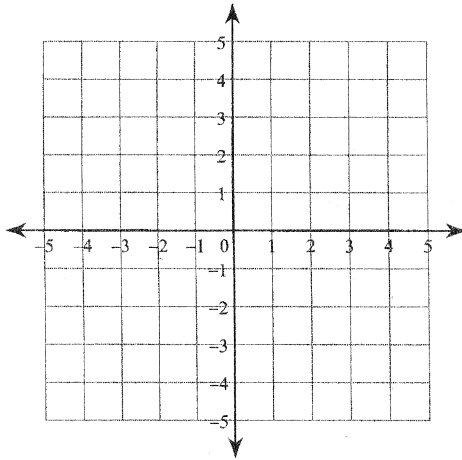
$$22) y < -\frac{1}{2}x + 2$$

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



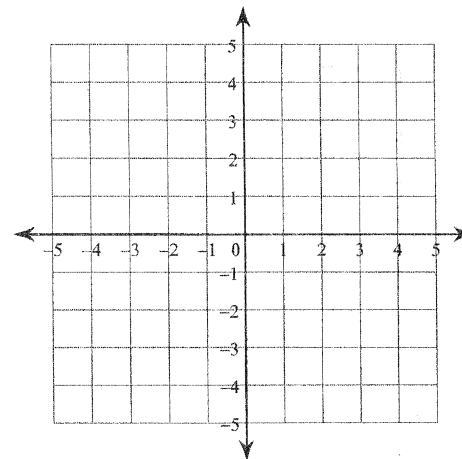
$$23) y \geq -5x - 2$$

$$y > -x + 2$$



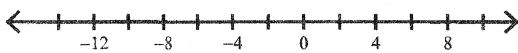
$$24) y > \frac{1}{2}x - 2$$

$$y \geq -\frac{3}{2}x + 2$$

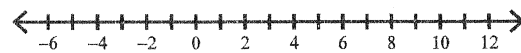


Solve each inequality and graph its solution.

$$25) |3 + m| \leq 11$$



$$26) |-3 + n| < 7$$



$$27) 7(-5r + 4) \leq -217$$



$$28) 95 > -5(-5 + 2x)$$

