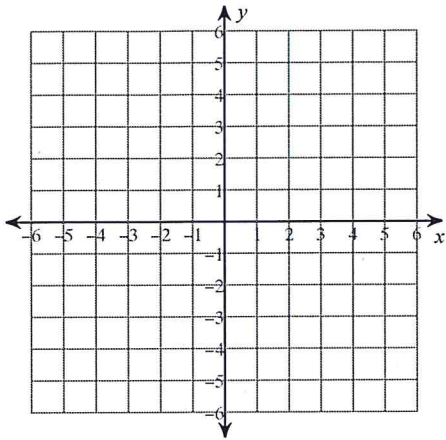


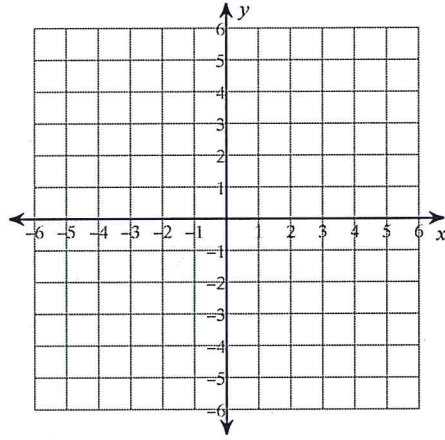
Test #3 Practice

Graph each equation.

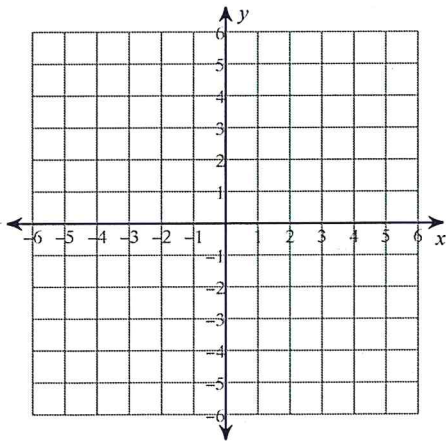
1)  $y = -|x + 2|$



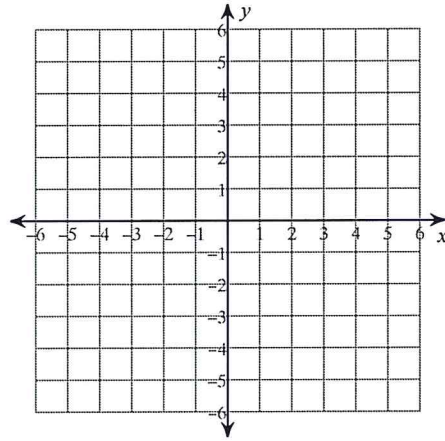
2)  $y = |x| + 3$



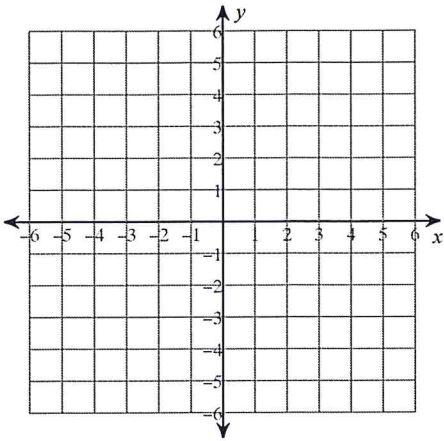
3)  $y = |x - 4| - 4$



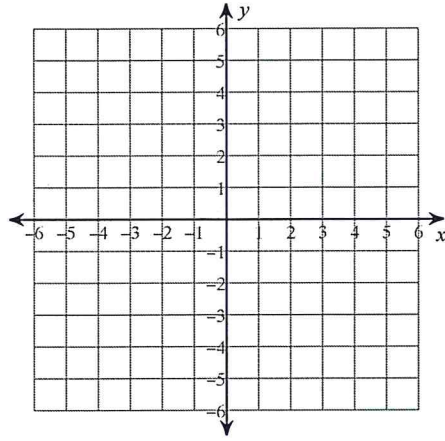
4)  $y = -|x - 3|$



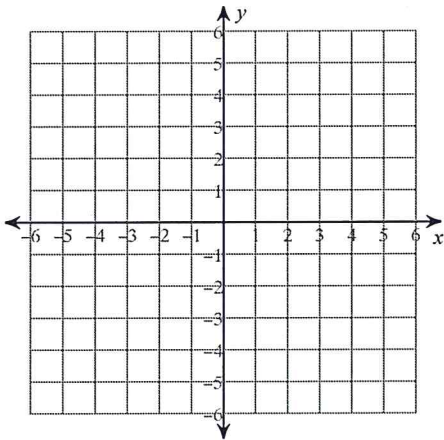
5)  $y = |x| - 1$



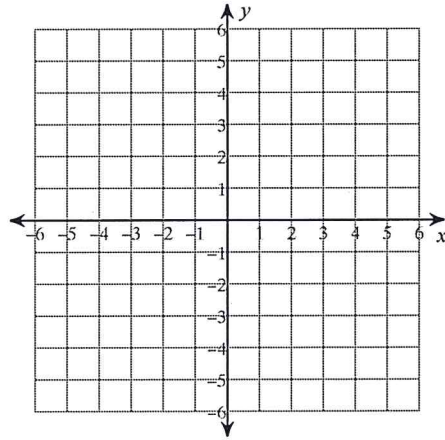
6)  $y = -|x| - 1$



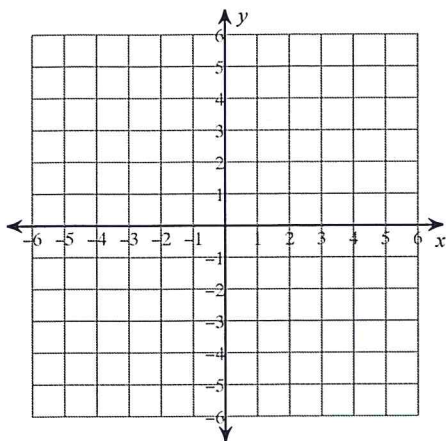
7)  $y = |x + 4| + 1$



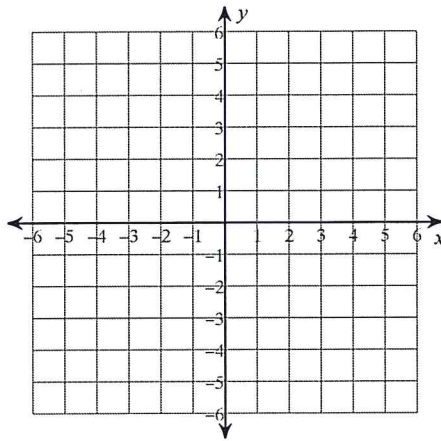
8)  $y = -|x - 2| + 3$



$$9) y = -|x| - 4$$



$$10) y = -|x + 3| - 4$$



**Solve each equation.**

$$11) \frac{|p + 4|}{4} = 4$$

$$12) |10x - 4| + 10 = 66$$

$$13) |9 - 10b| - 10 = -1$$

$$14) |x - 8| + 2 = 15$$

$$15) |6r + 3| - 7 = -4$$

$$16) \frac{|4p - 4|}{3} = -3$$

$$17) |-2v - 3| + 4 = 5$$

$$18) \frac{|1 - 10x|}{4} = 2$$

$$19) \frac{|5 + 7x|}{8} = 5$$

$$20) 8 + |2b - 9| = -23$$

$$21) -5|-6b - 1| - 6 = -61$$

$$22) 8|3m - 7| - 9 = 7$$

$$23) -2|2a + 7| - 4 = -14$$

$$24) 10 - |9v - 3| = -50$$

$$25) 10|4k - 2| + 6 = 26$$

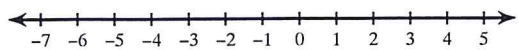
$$26) 8 - 9|-8 - 5k| = -10$$

$$27) -3|x + 5| + 6 = -9$$

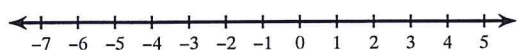
$$29) 3|-3b - 1| - 9 = -9$$

Solve each inequality and graph its solution.

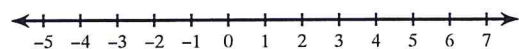
$$31) |10n + 7| + 7 \leq 24$$



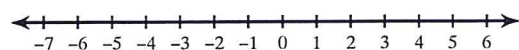
$$33) \frac{|4x + 7|}{7} \leq -4$$



$$35) \frac{|-3 + 4b|}{3} > 4$$



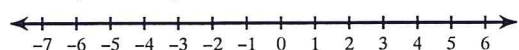
$$37) -4|5x + 6| \leq -44$$



$$39) \frac{|-3n + 8|}{9} > 3$$



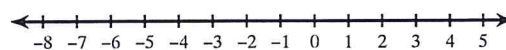
$$41) 7|9x + 3| < -42$$



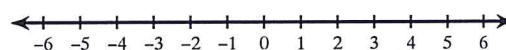
$$28) 8|7r - 4| + 8 = 96$$

$$30) 6 + 2|3x - 3| = 48$$

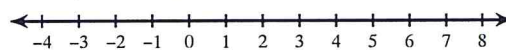
$$32) 6 - |6 - 4n| \leq 28$$



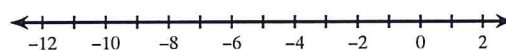
$$34) \frac{|-9v + 5|}{3} > -5$$



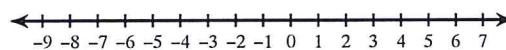
$$36) 6|1 - 6x| < 42$$



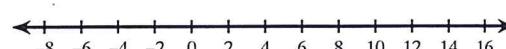
$$38) -6 + |2m + 10| < 4$$



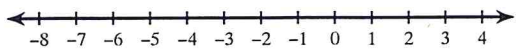
$$40) -1 - |3 + 5n| > -38$$



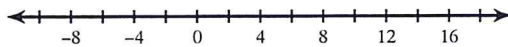
$$42) \frac{|k - 4|}{8} \geq 1$$



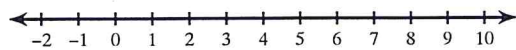
$$43) 7|2 + x| < 14$$



$$44) \frac{|3n - 10|}{8} > 4$$

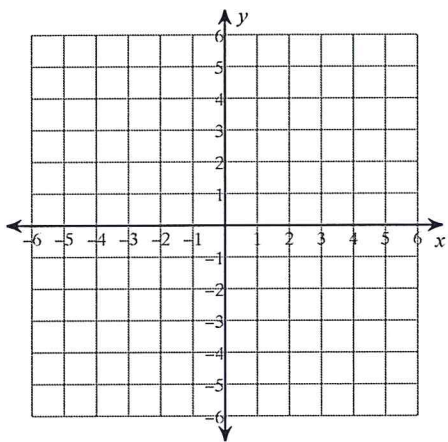


$$45) 7|-3 + x| > 7$$

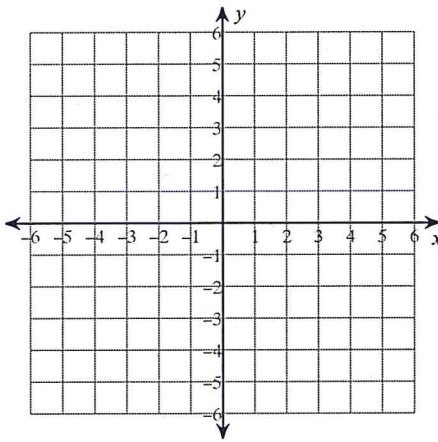


**Sketch the graph of each linear inequality.**

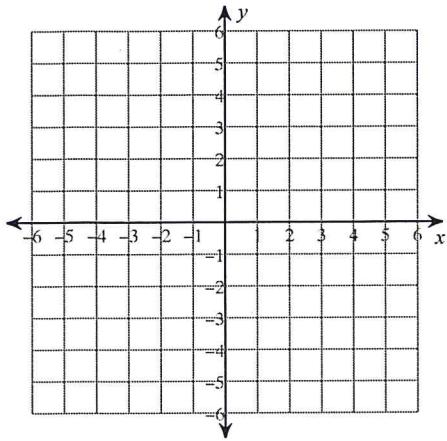
$$46) x - y > -3$$



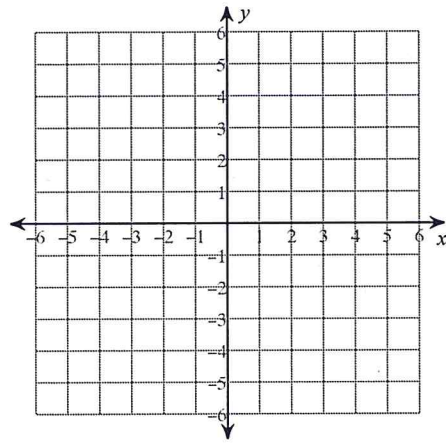
$$47) x + 2y > 2$$



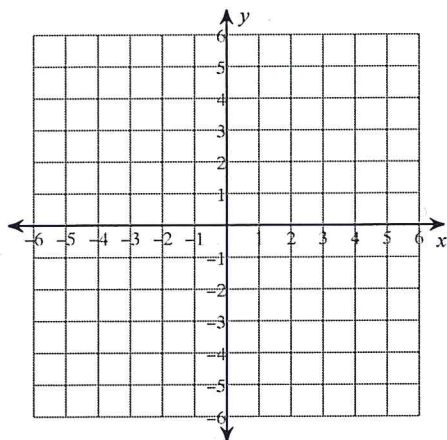
48)  $y \geq 3$



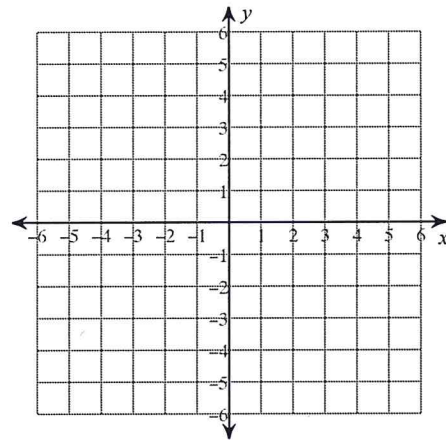
49)  $5x + 4y \geq 4$



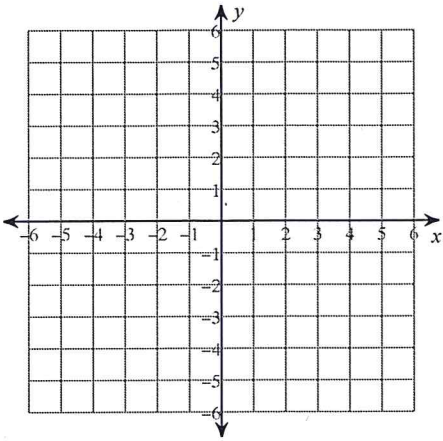
50)  $x - y < 2$



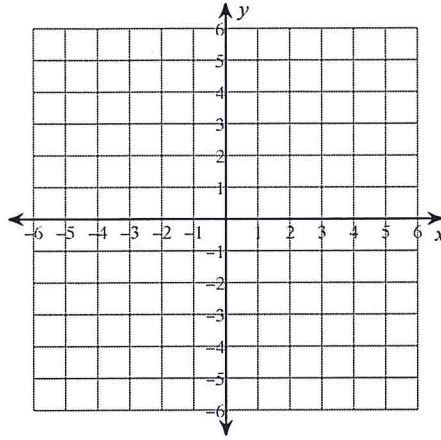
51)  $y > 4x + 1$



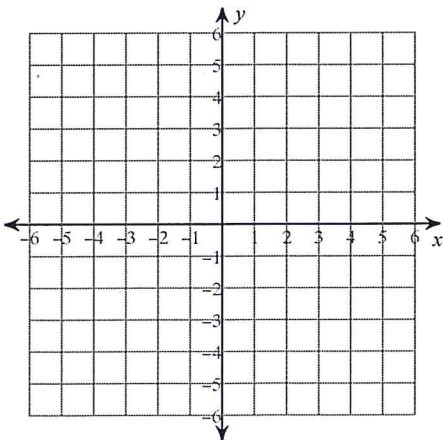
52)  $y \geq -6x + 1$



53)  $y > \frac{7}{3}x - 2$



54)  $y < \frac{1}{3}x - 5$



55)  $y \leq -\frac{3}{5}x + 5$

