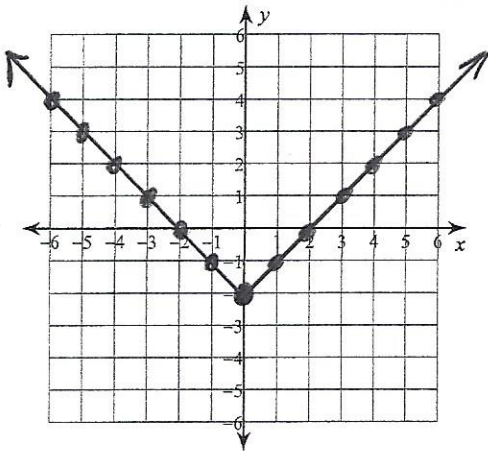


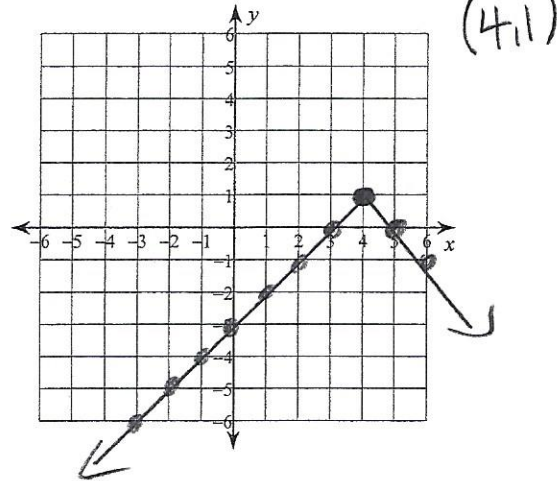
Graph Absolute Value Equations

Graph each equation.

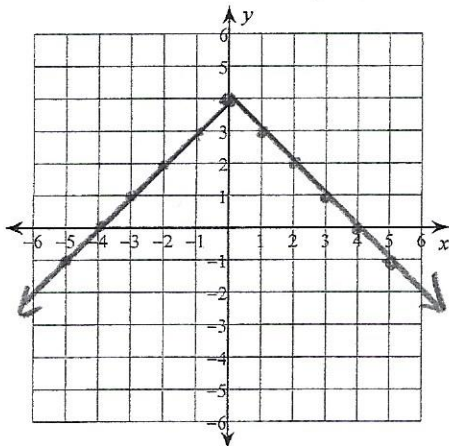
1) $y = |x| - 2$ $m=1$ $(0, -2)$



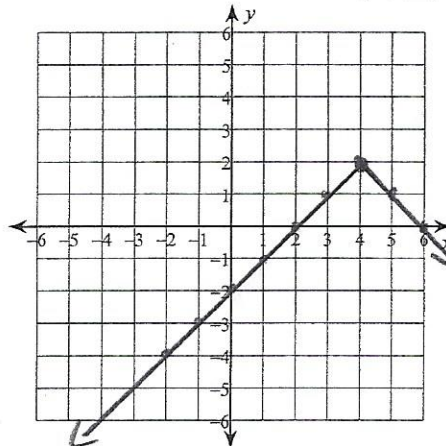
2) $y = -|x - 4| + 1$ $m=-1$



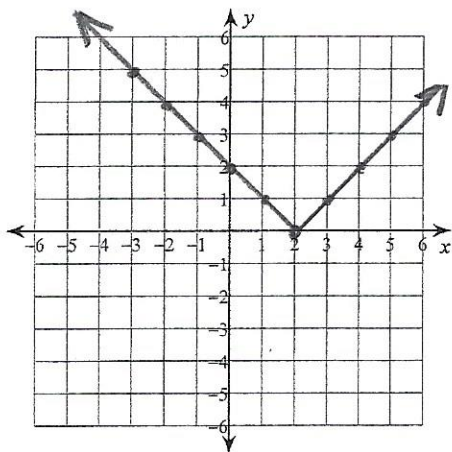
3) $y = -|x| + 4$ $(0, 4)$



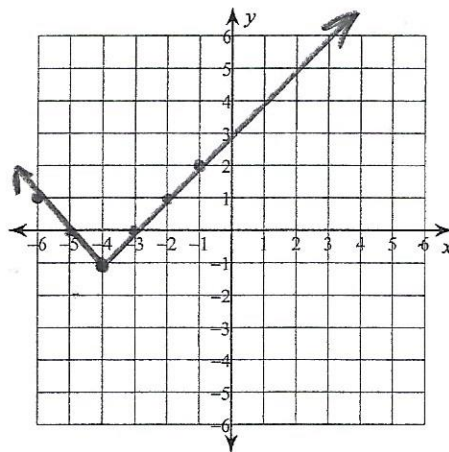
4) $y = -|x - 4| + 2$ $(4, 2)$



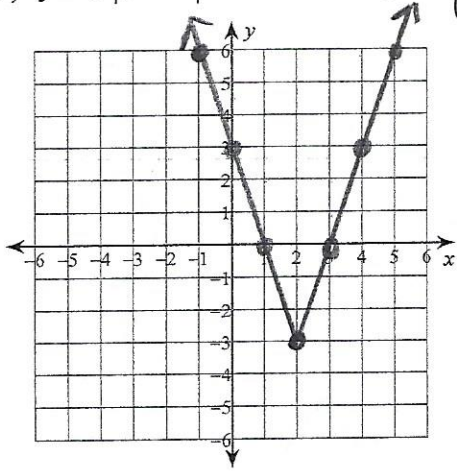
5) $y = |x - 2|$ $(2, 0)$



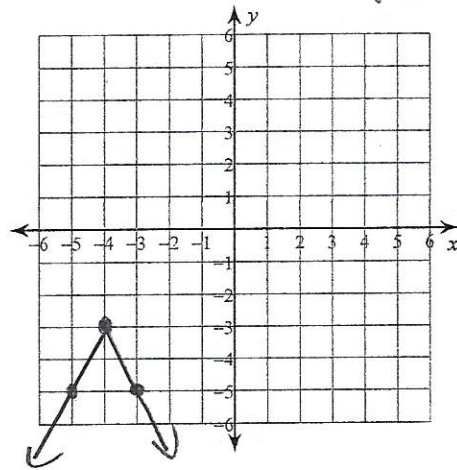
6) $y = |x + 4| - 1$ $(-4, -1)$



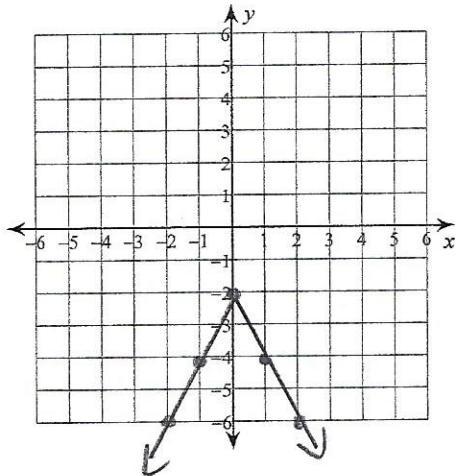
7) $y = 3|x - 2| - 3$ $m = 3$ $(2, -3)$



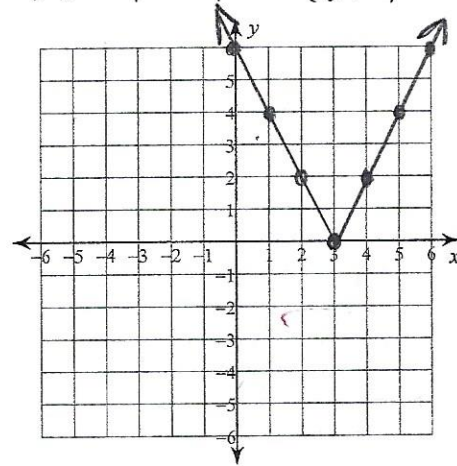
8) $y = -2|x + 4| - 3$ $(-4, -3)$



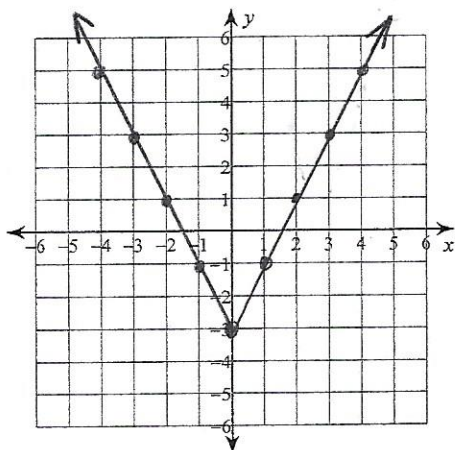
9) $y = -2|x| - 2$ $(0, -2)$



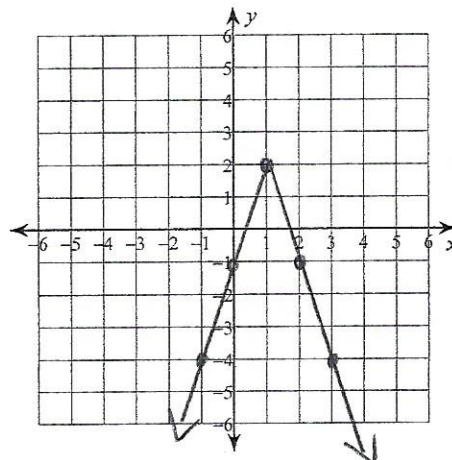
10) $y = 2|x - 3|$ $(3, 0)$



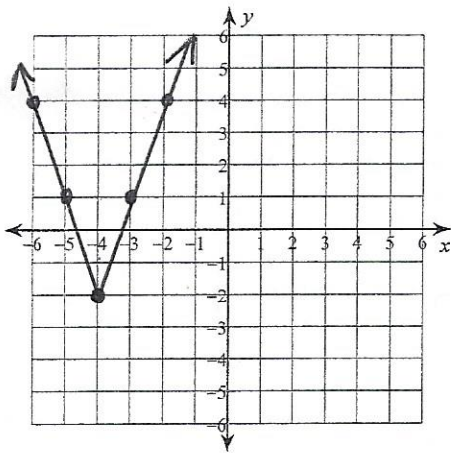
11) $y = 2|x| - 3$ $(0, -3)$



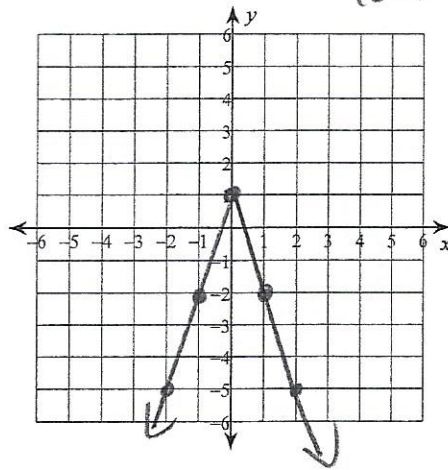
12) $y = -3|x - 1| + 2$ $(1, 2)$



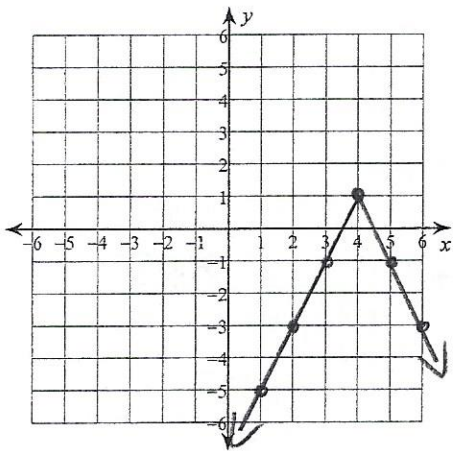
13) $y = 3|x + 4| - 2$ $(-4, -2)$



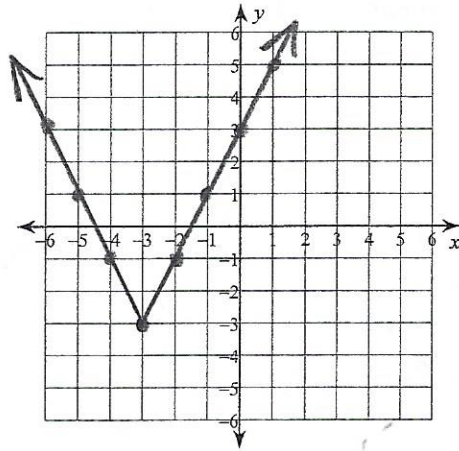
14) $y = -3|x| + 1$ $(0, 1)$



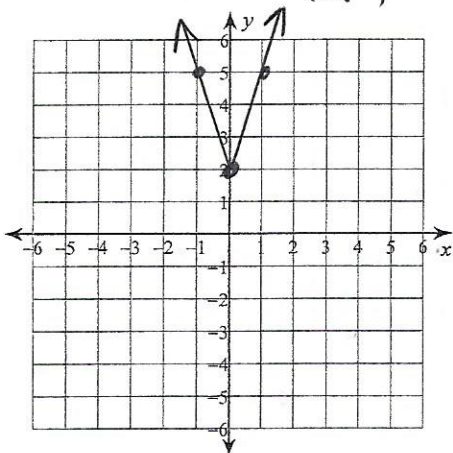
15) $y = -2|x - 4| + 1$ $(4, 1)$



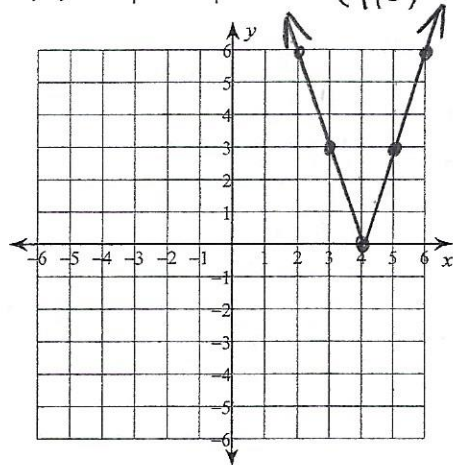
16) $y = 2|x + 3| - 3$ $(-3, -3)$



17) $y = 3|x| + 2$ $(0, 2)$

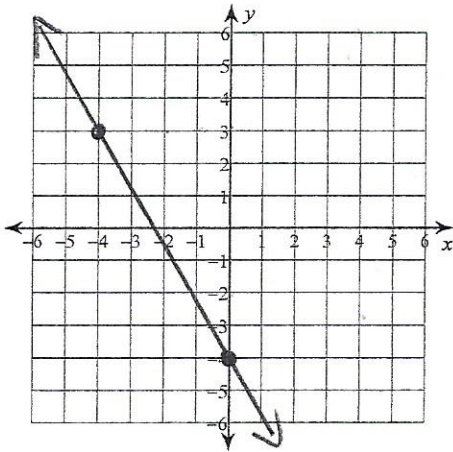


18) $y = 3|x - 4|$ $(4, 0)$

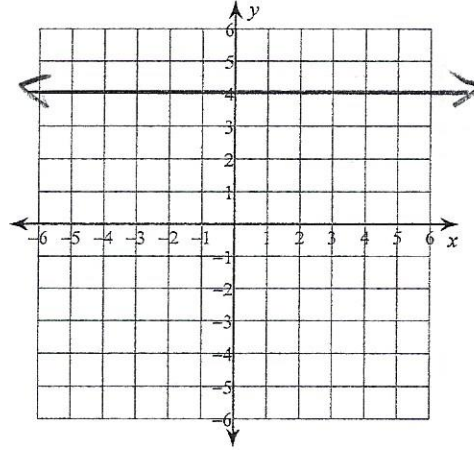


Sketch the graph of each line.

19) $y = -\frac{7}{4}x - 4$

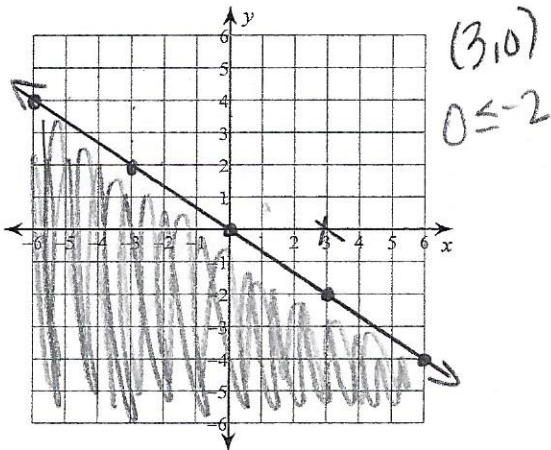


20) $y = 4$

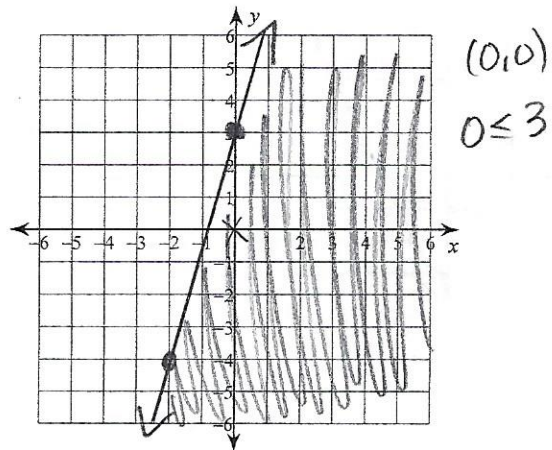


Sketch the graph of each linear inequality.

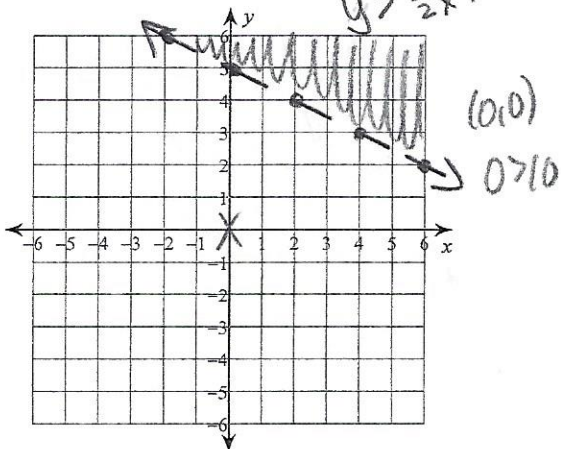
21) $y \leq -\frac{2}{3}x - 2$



22) $y \leq \frac{7}{2}x + 3$



23) $x + 2y > 10$
 $\frac{2y}{2} > \frac{-x + 10}{2}$
 $y > -\frac{1}{2}x + 5$



24) $x + y > 2$ $y > -x + 2$

