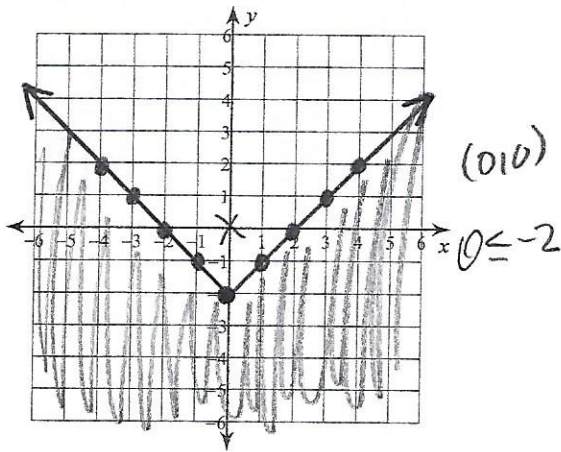


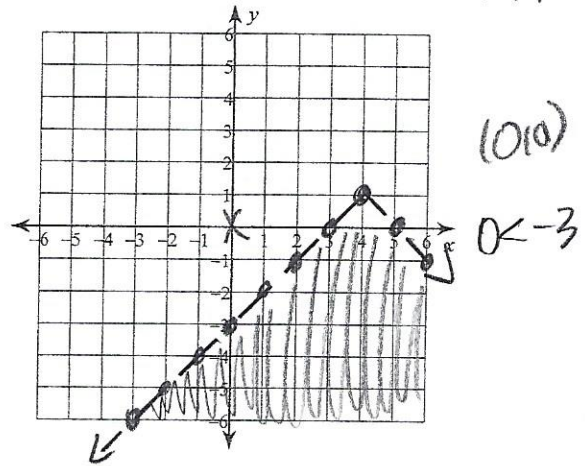
Graph Absolute Value Inequalities

Graph each equation.

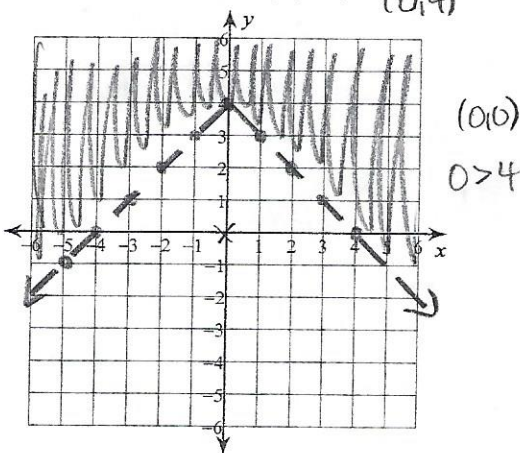
1) $y \leq |x| - 2$ $m=1$ $(0, -2)$



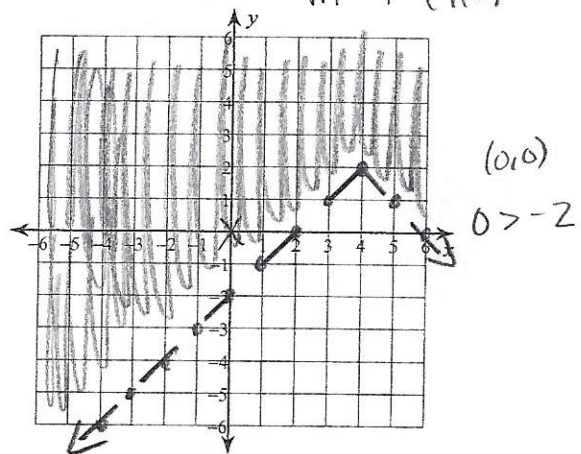
2) $y < -|x-4| + 1$ $m=-1$ $(4, 1)$



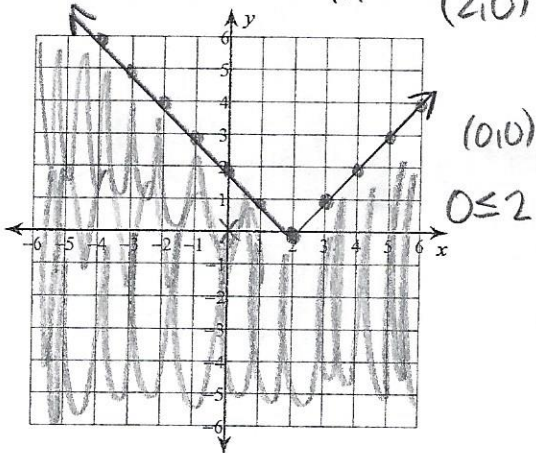
3) $y > -|x| + 4$ $m=-1$ $(0, 4)$



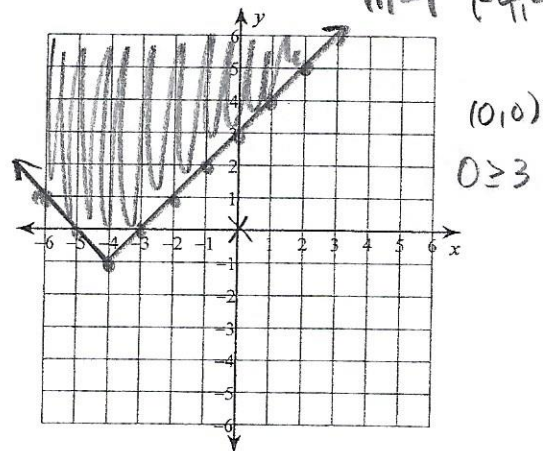
4) $y > -|x-4| + 2$ $m=-1$ $(4, 2)$



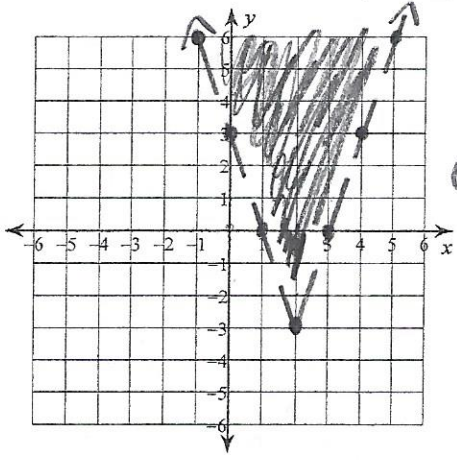
5) $y \leq |x-2|$ $m=1$ $(2, 0)$



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

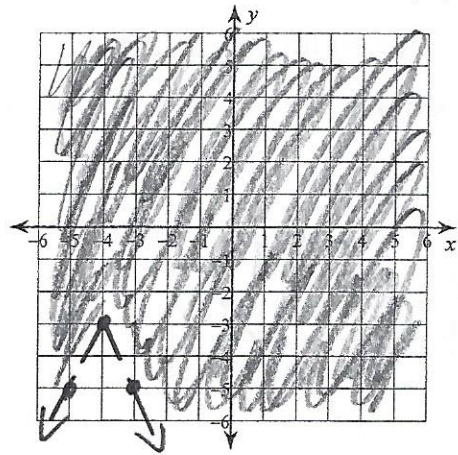


7) $y > 3|x-2| - 3$ (2, -3)



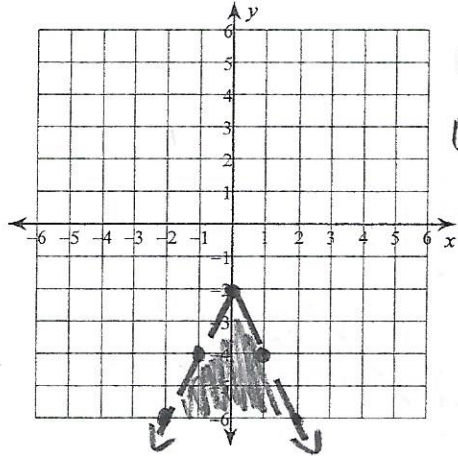
(0,0)
 $0 > 3|0-2| - 3$
 $0 > 3$
 F

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



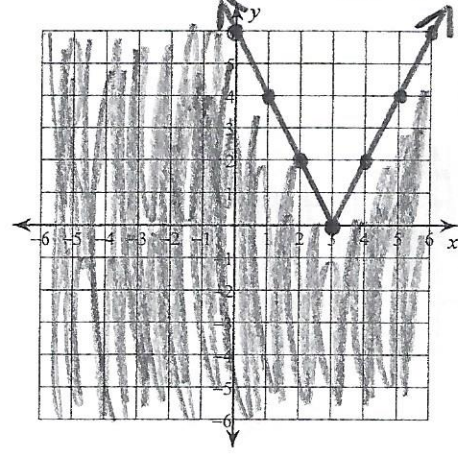
(0,0)
 $0 > -2|0+4| - 3$
 $0 > -11$
 T

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



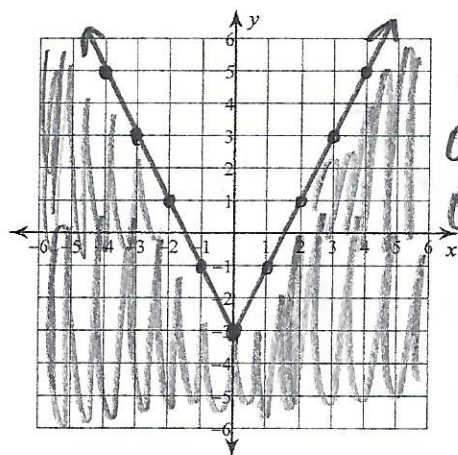
(0,0)
 $0 < -2|0| - 2$
 $0 < -2$
 F

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



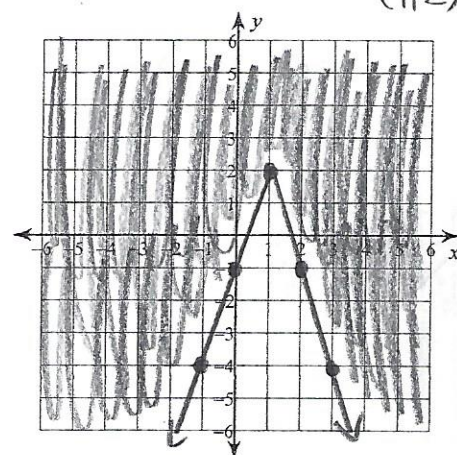
$0 \leq 2|3-3|$
 $0 \leq 0$
 T

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



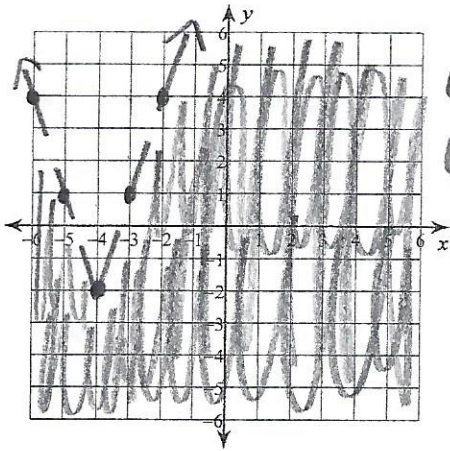
(0,0)
 $0 \leq 2|0| - 3$
 $0 \leq -3$

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



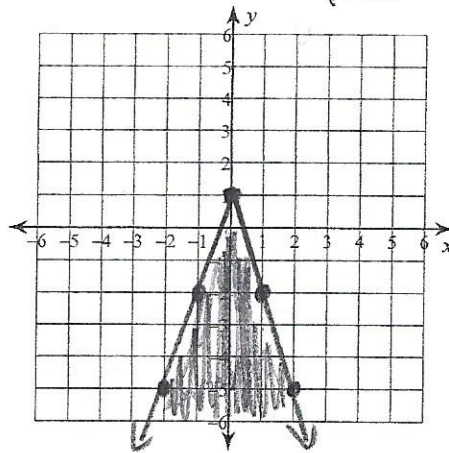
(0,0)
 $0 \geq -3|0-1| + 2$
 $0 \geq -1$
 T

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



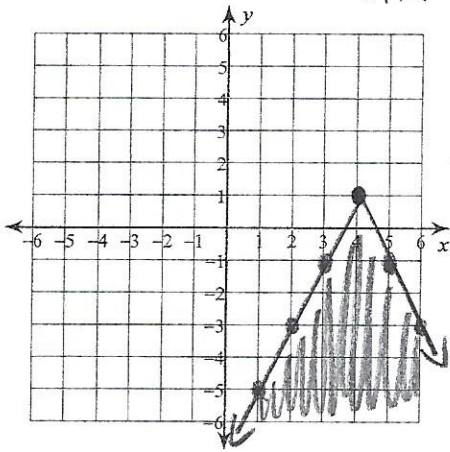
$0 < 3|4| - 2$
 $0 < 10$
 T

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



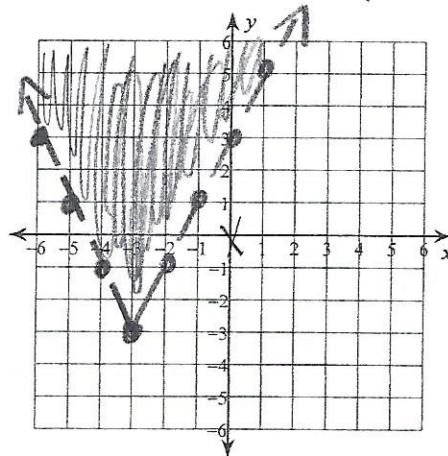
$0 \leq -3|0| + 1$
 $0 \leq 1$
 T

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



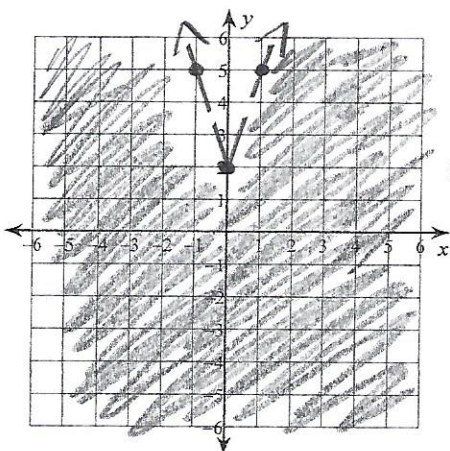
$0 \leq -2|-4| + 1$
 $0 \leq -7$
 F

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



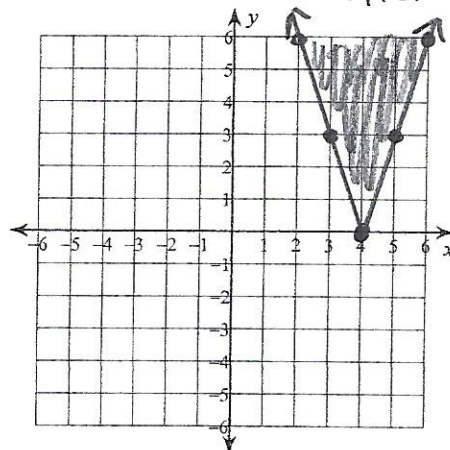
$0 > 3$
 (0, 0)

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



$0 < 3|0| + 2$
 $0 < 2$
 T

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



$0 \geq 3|-4|$
 $0 \geq 12$