Kuta Software - Infinite Algebra 2

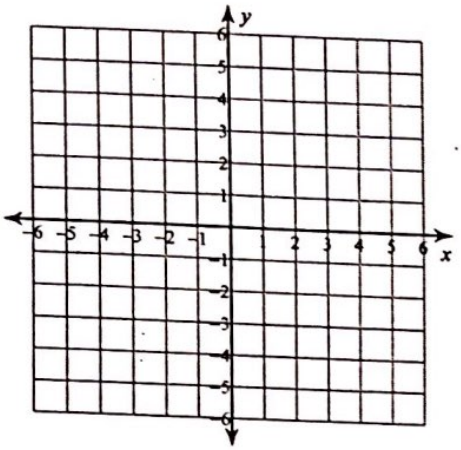
Name_____

Graphing Absolute Value Equations

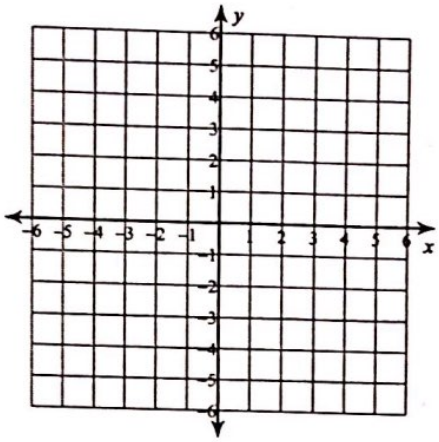
Date_____ Period____

Graph each equation. & give the vertex

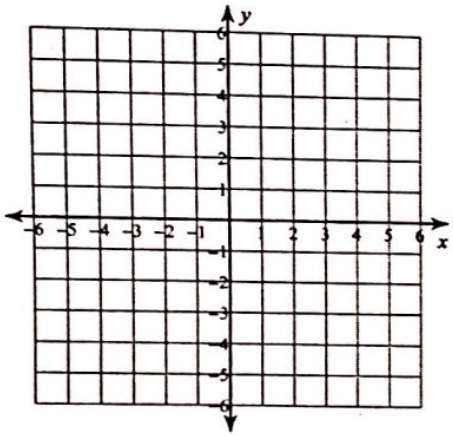
1) $y = |x - 1|$



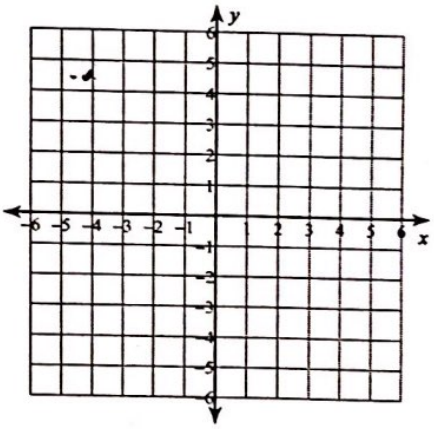
2) $y = |x + 4| - 1$



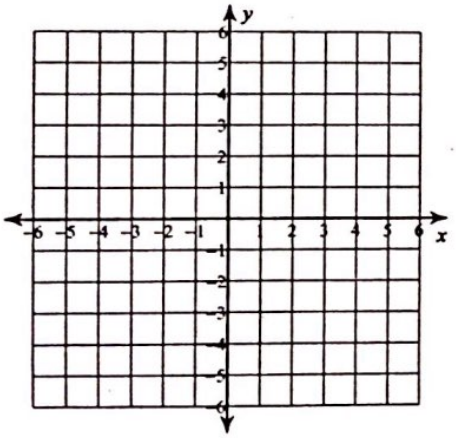
3) $y = |x - 2|$



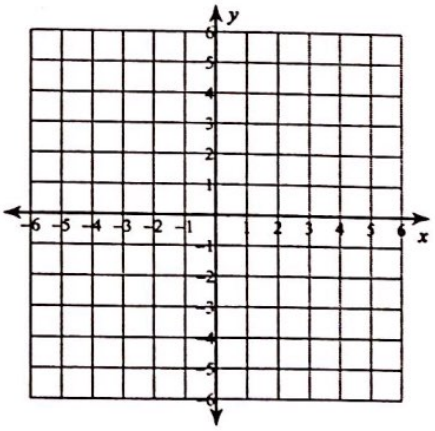
4) $y = -|x - 2| + 3$



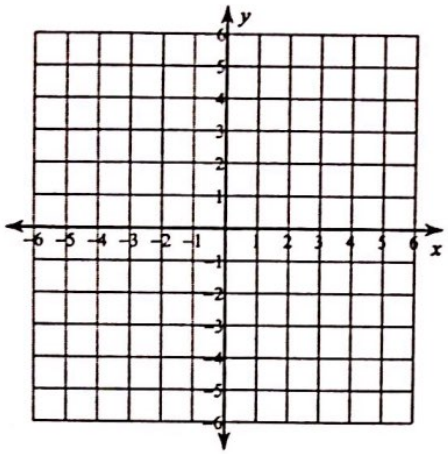
5) $y = -|x| - 1$



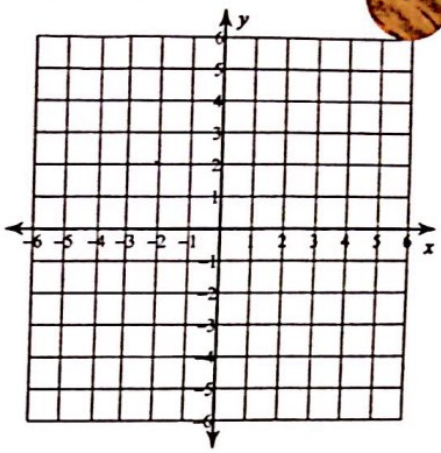
6) $y = -|x - 1| + 4$



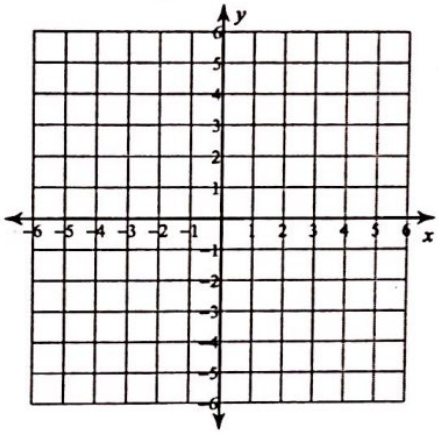
7) $y = -2|x + 2| + 4$



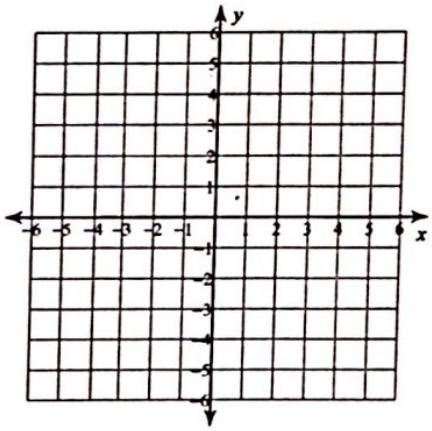
8) $y = -3|x - 3| + 1$



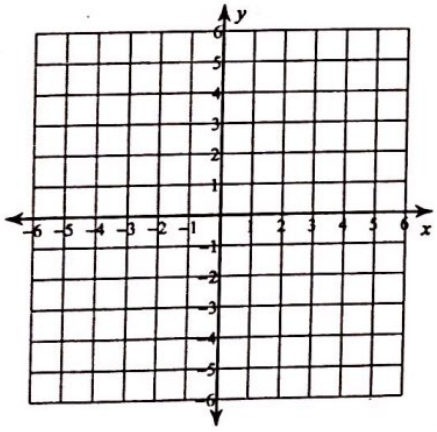
9) $y = 2|x - 3|$



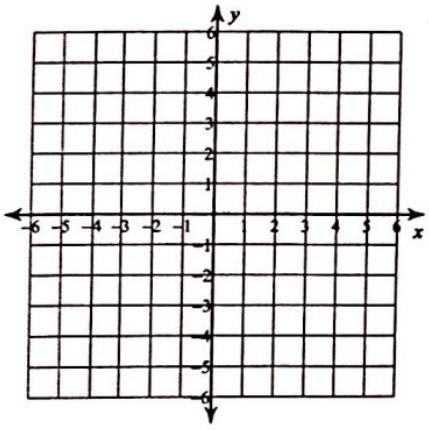
10) $y = 3|x - 3|$



11) $y = 2|x + 4| - 3$



12) $y = -3|-2x + 4| + 3$



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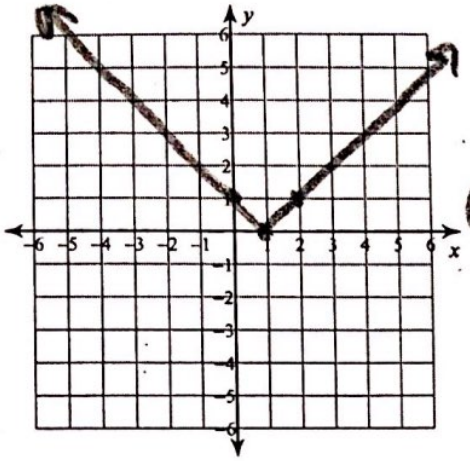
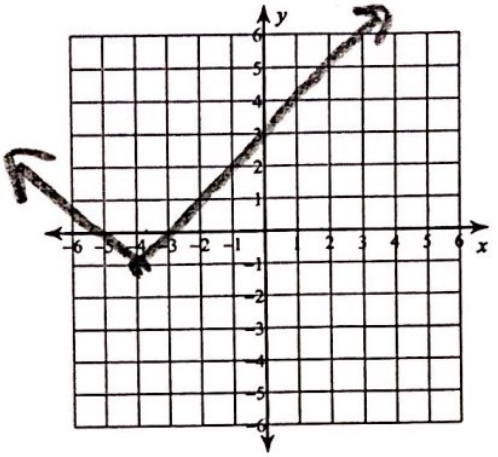
Graph each equation. & give the vertex

1) $y = |x - 1|$



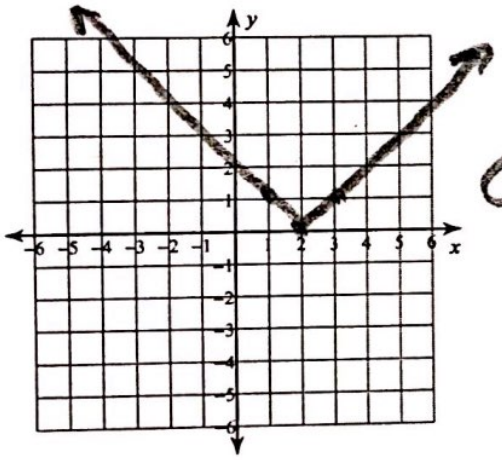
(1, 0)

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



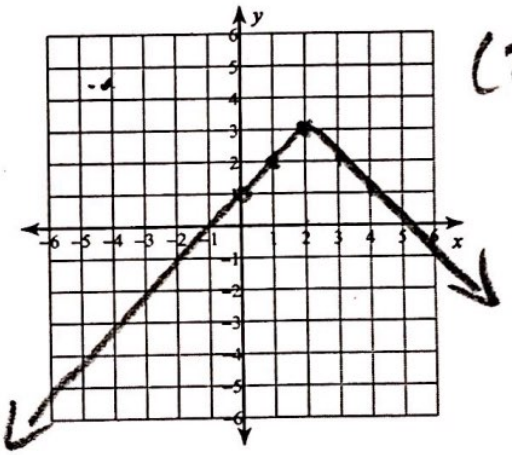
(-4, -1)

3) $y = |x - 2|$



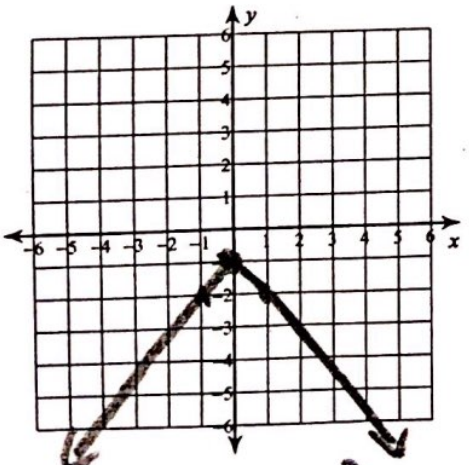
(2, 0)

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



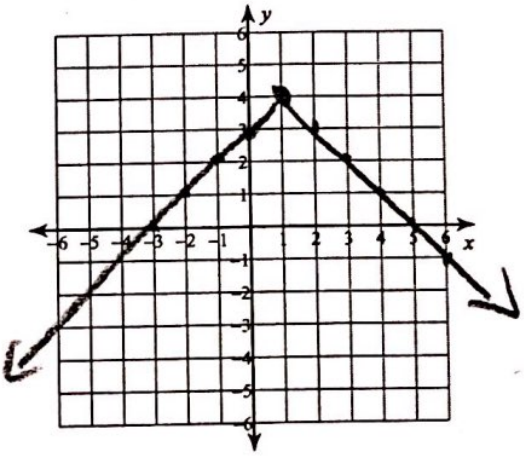
(2, 3)

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



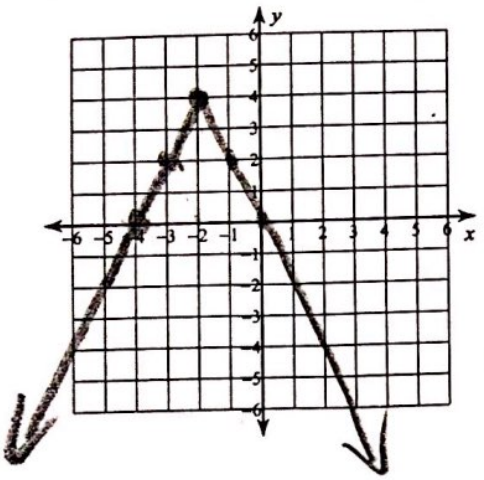
(0, -1)

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

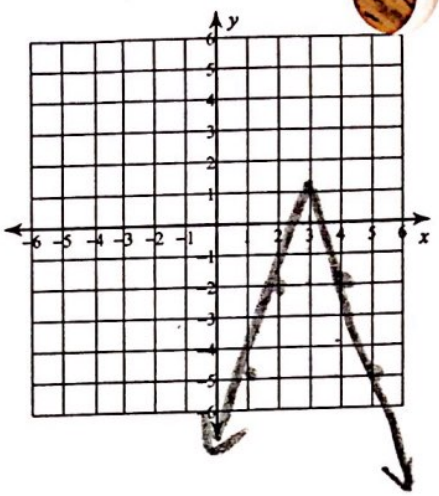


(1, 4)

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

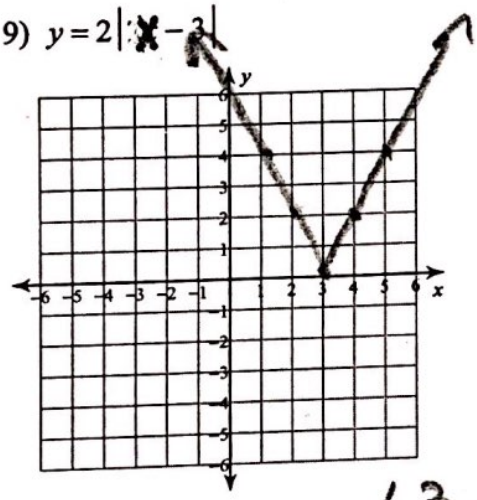


8) $y = -3|x-3|+1$



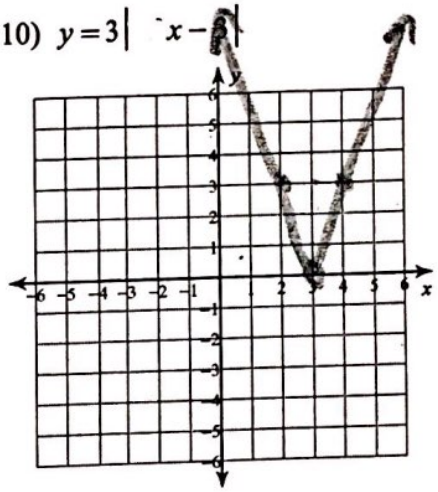
(3, 1)

9) $y = 2|x-3|$



(3, 0)

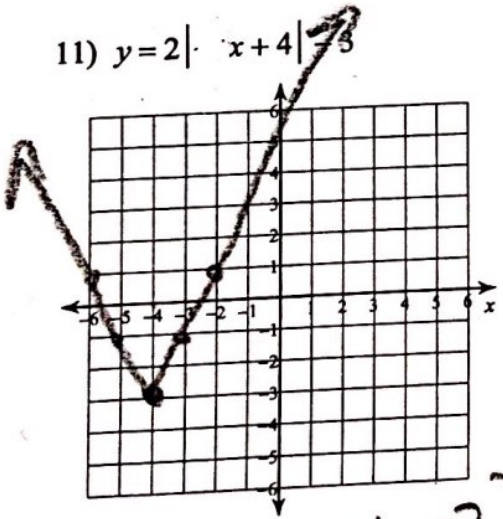
10) $y = 3|x-3|$



(3, 0)

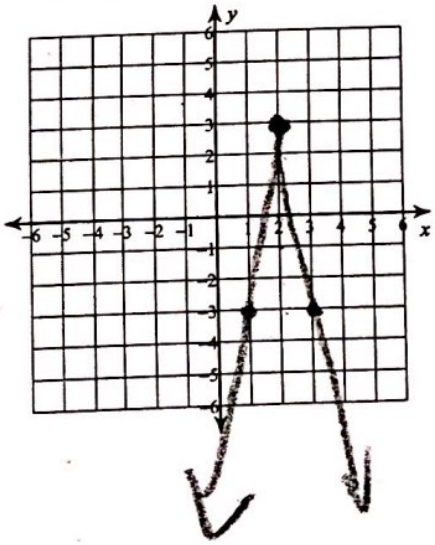
$-2(x-2) = -6|x-2|+3$

11) $y = 2|x+4|-3$



(-4, -3)

12) $y = -3|-2x+4|+3$



(2, 3)