



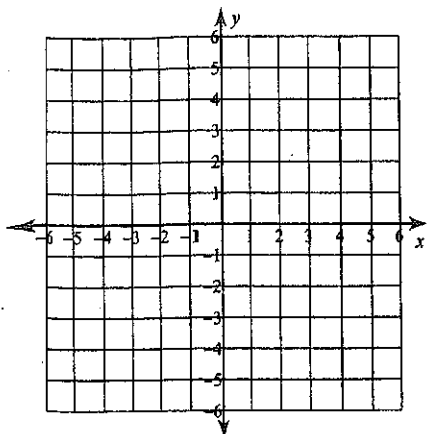
# Graphing Absolute Value Equations

A

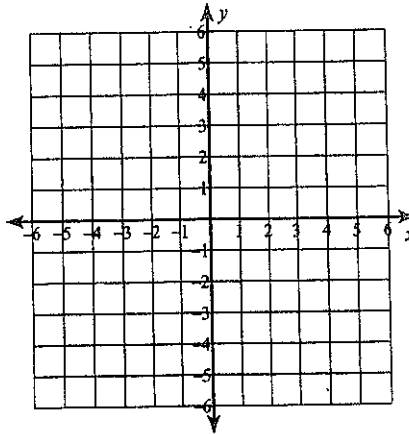
Date \_\_\_\_\_ Period \_\_\_\_\_

Graph each equation.

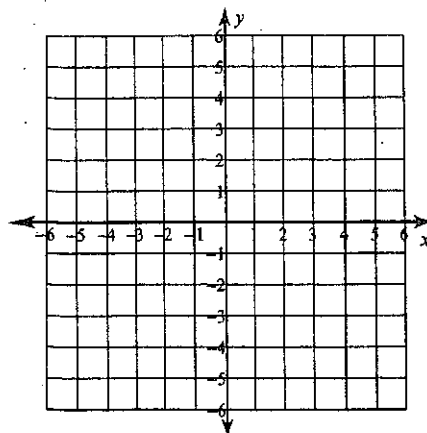
1)  $y = |x - 1|$



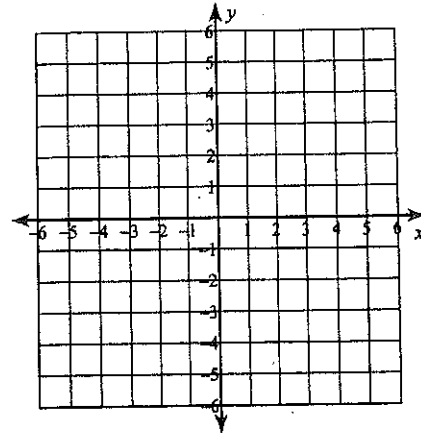
2)  $y = |x + 4|$



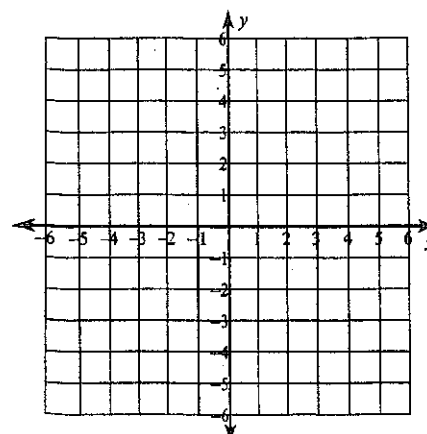
3)  $y = |x - 2|$



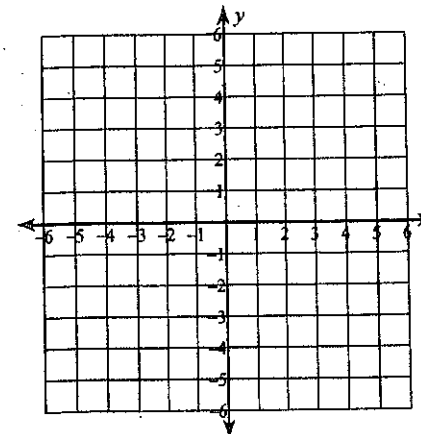
4)  $y = -|x - 2|$



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

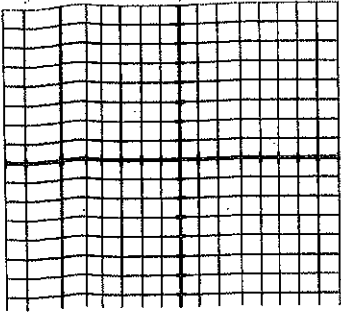


6)  $y = -|x - 1|$

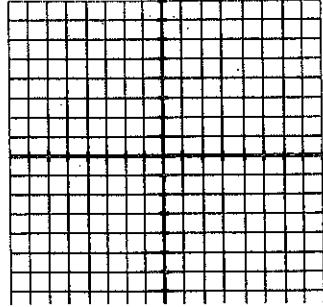


Graph the following nicely. Remember that we discussed how to find the vertex and then used the coefficient of the absolute value symbols as the slope when traveling to the right of the vertex and the opposite of the value for the slope to travel to the left of the vertex. You should use the shortcut, but when in doubt, make a table.

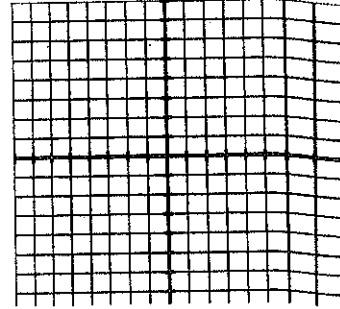
1.  $y = |x - 2|$



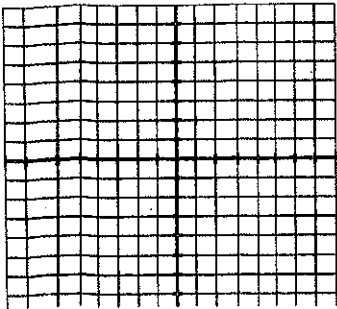
2.  $y = 3|x|$



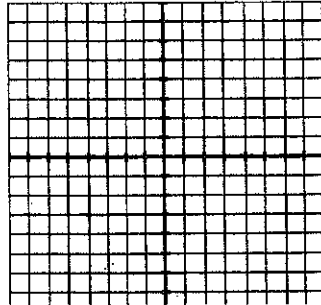
3.  $y = |x| - 4$



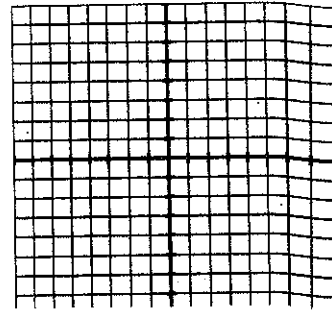
4.  $y = -2|x + 3|$



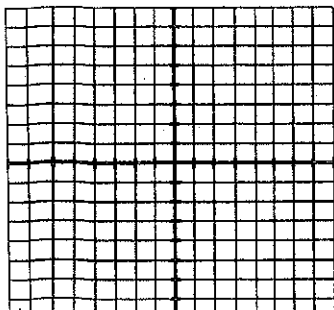
5.  $y = |x - 4| - 2$



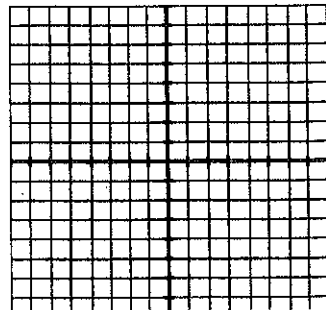
6.  $y = -|x + 2| + 1$



7.  $y = \frac{2}{3}|x + 1| - 3$



8.  $y = -4|x| + 8$



9.  $y = -\frac{1}{4}|x - 2| + 1$

