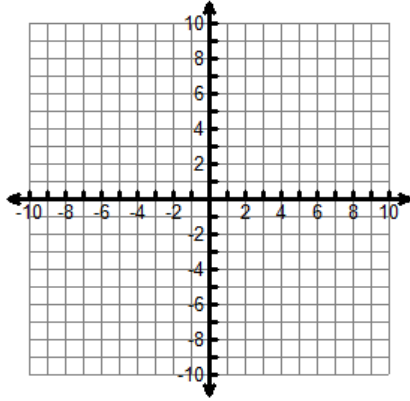


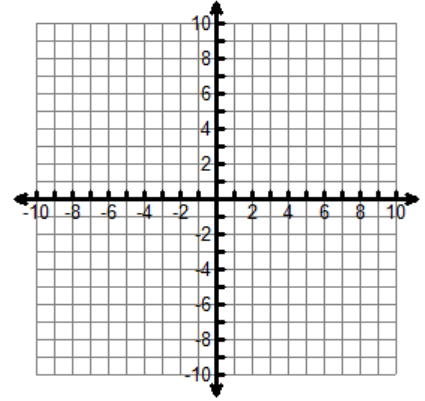
'S REPORT CARD

F

$y = -|x + 5| - 3$
 Rate/Steepness _____
 Vertex _____
 Circle: Maximum or Minimum
 x-int(s) _____ y-int(s) _____



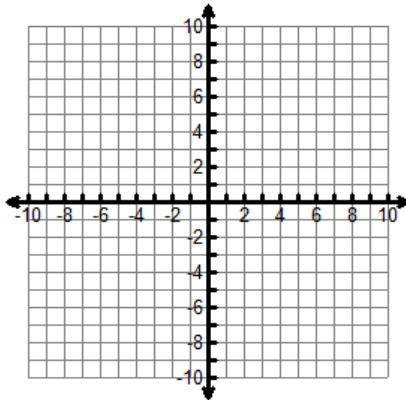
$f(x) = \frac{1}{4}|x - 2|$
 Rate/Steepness _____
 Vertex _____
 Circle: Maximum or Minimum
 x-int(s) _____ y-int(s) _____



D

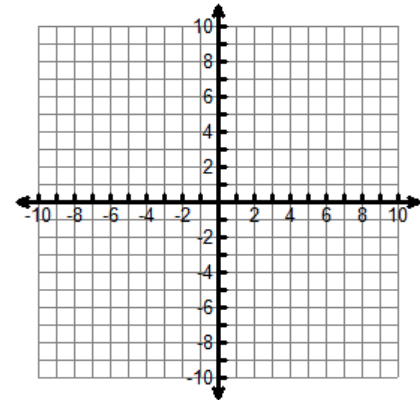
$f(x) = -2(x - 1)^2 + 2$
 Rate/Steepness _____
 Vertex _____
 Circle: Maximum or Minimum

x	y



$y = 3x^2 - 2$
 Rate/Steepness _____
 Vertex _____
 Circle: Maximum or Minimum

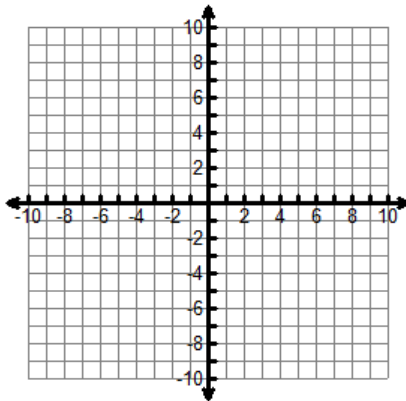
x	y



C

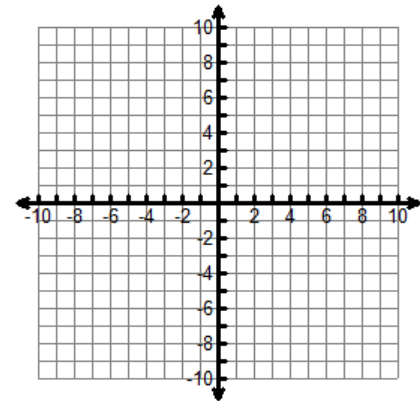
$y = \frac{1}{3}(x + 5)^2 + 5$
 Rate/Steepness _____
 Vertex _____
 Circle: Maximum or Minimum

x	y



$f(x) = -\frac{3}{2}(x - 1)^2 + 8$
 Rate/Steepness _____
 Vertex _____
 Circle: Maximum or Minimum

x	y



Given $y = 3|x - 1| - 5$, write an equation whose graph is reflected, shifted three units to the left and shifted down eight units.

Given $y = \frac{5}{4}(x - 2)^2$, write an equation whose graph is steeper, shifted three units to the right and shifted down five units.

B

Write a complete sentence that describes ALL of the transformations from the graph of Function 1 to the graph of Function 2.

Function 1: $y = -\frac{1}{3}|x + 5| - 3$

Function 2: $y = -\frac{1}{2}|x + 1|$

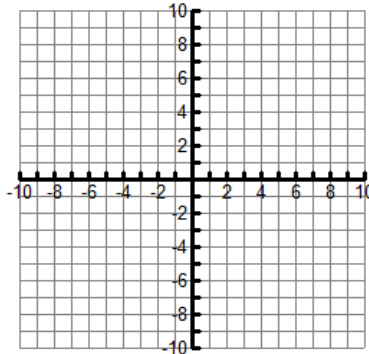
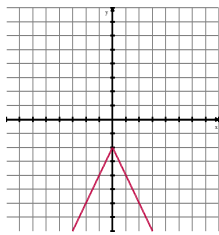
Write a complete sentence that describes ALL of the transformations from the graph of Function 1 to the graph of Function 2.

Function 1: $y = (x - 5)^2$

Function 2: $y = -(x - 1)^2 - 4$

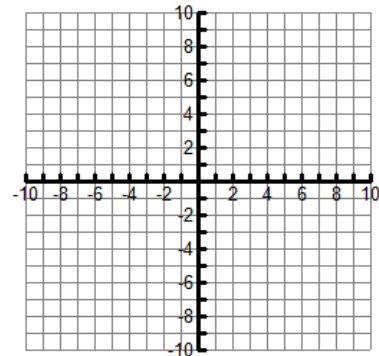
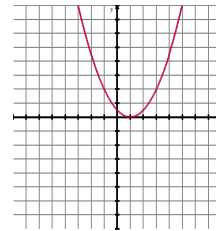
A

The equation $y = -2|x| - 2$ is graphed below on **Graph A**. Sketch an accurate graph that is less steep, shifted to the right two units, and shifted two units down on **Graph B**.



New Equation:

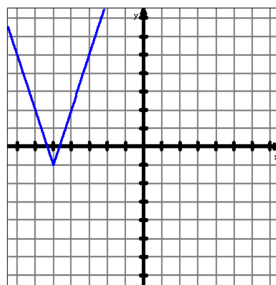
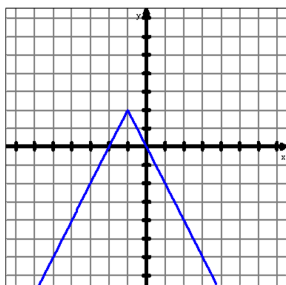
The equation $y = \frac{1}{2}(x - 1)^2$ is graphed below on **Graph A**. Sketch an accurate graph that has been reflected, doubled in steepness, shifted to the right three units and shifted up two units on **Graph B**.



New Equation:

A+

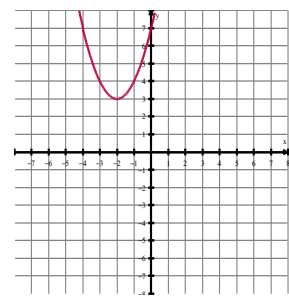
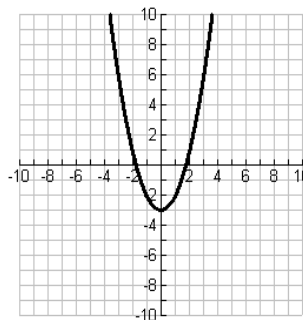
Describe the transformations from Graph 1 to Graph 2.



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

New Equation:

Describe the transformations from Graph 1 to Graph 2.



$y = x^2 - 3$

New Equation: