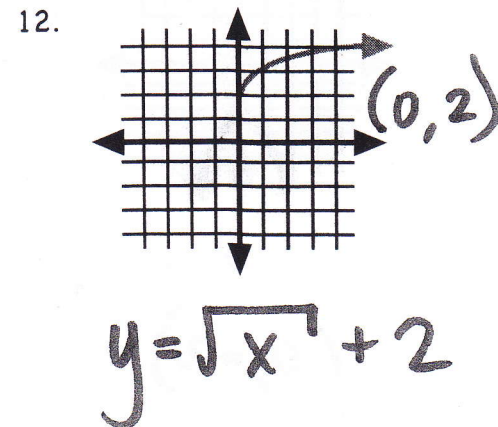
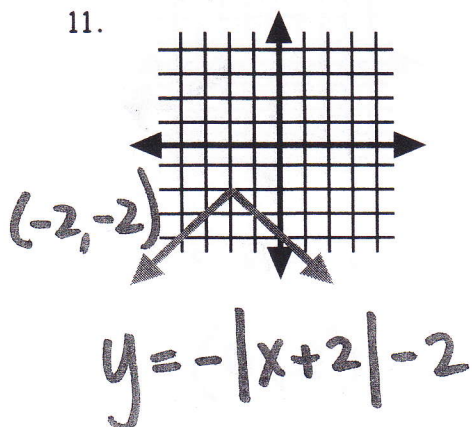
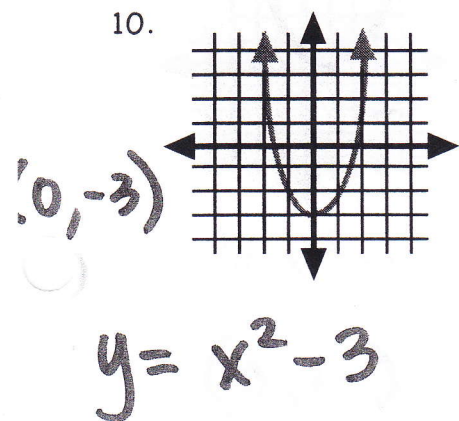
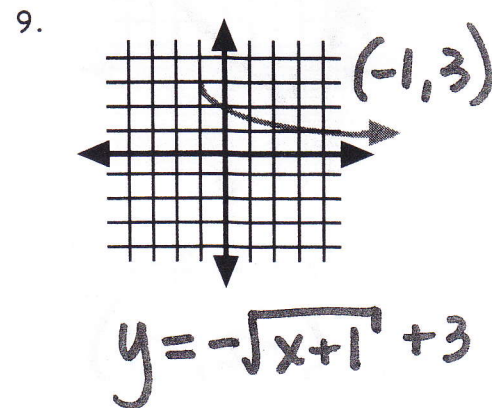
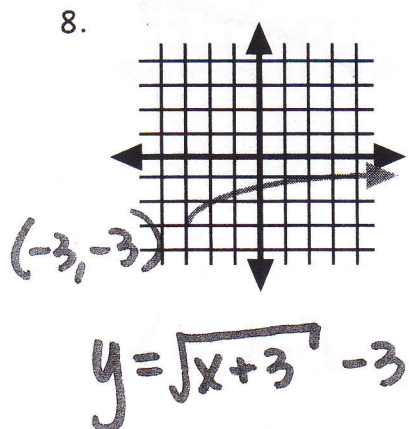
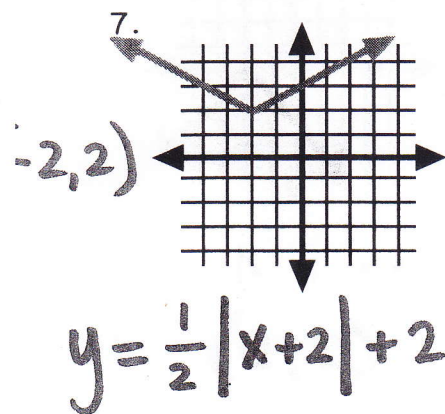
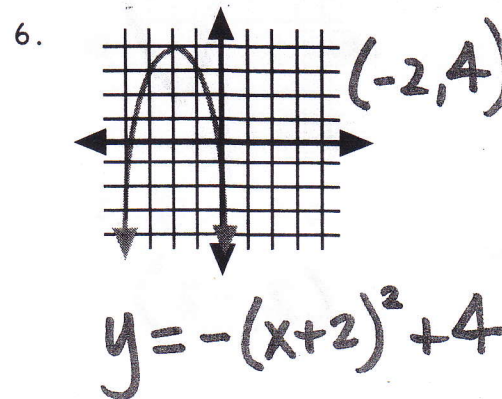
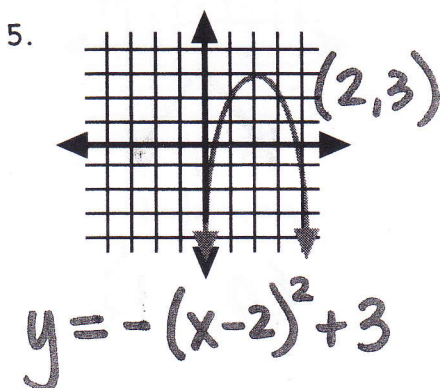
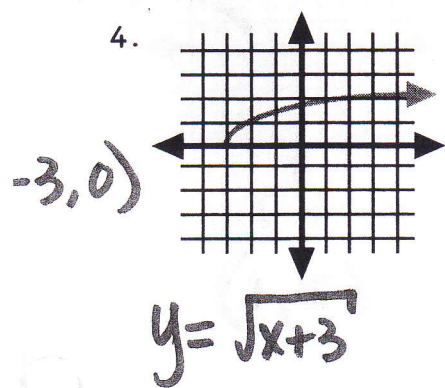
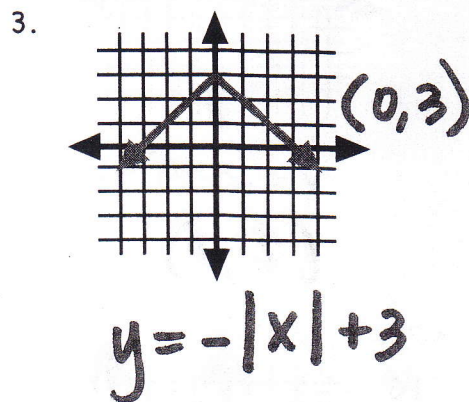
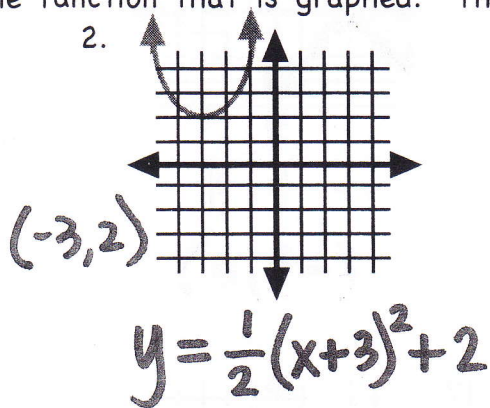
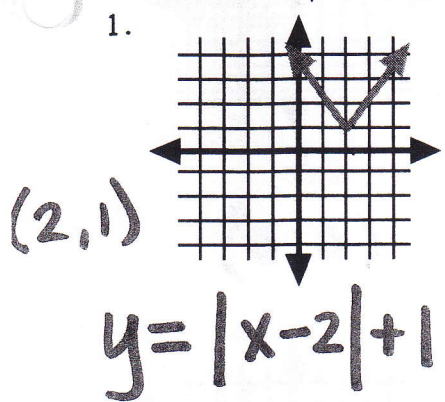


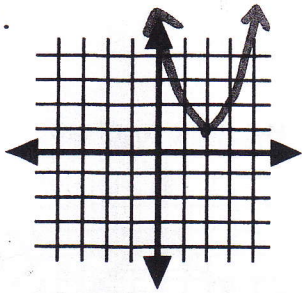
Recognizing the Graphs

Write the equation for the function that is graphed. Then name the new vertex.



Sketch the graph of the function. Then name the vertex.

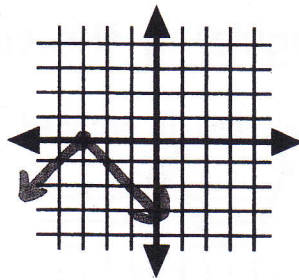
13.



$$y = (x-2)^2 + 1$$

(2, 1)

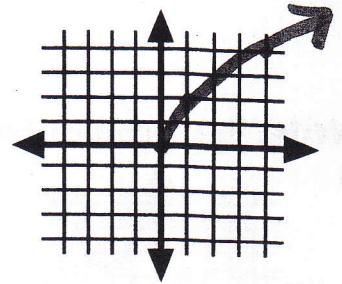
14.



$$y = -|x+3|$$

(-3, 0)

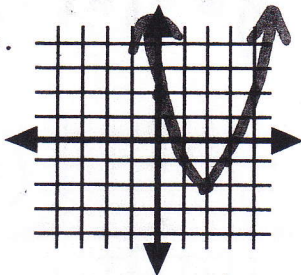
15.



$$y = 2\sqrt{x}$$

(0, 0)

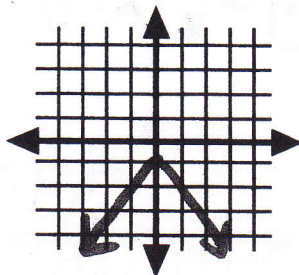
16.



$$y = (x-2)^2 - 2$$

(2, -2)

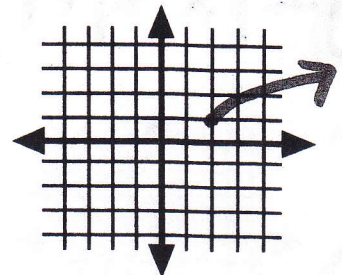
17.



$$y = -|x|-1$$

(0, -1)

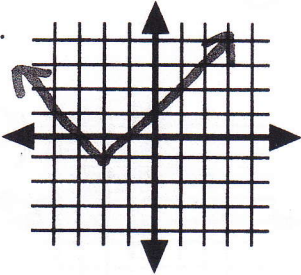
18.



$$y = \sqrt{x-2} + 1$$

(2, 1)

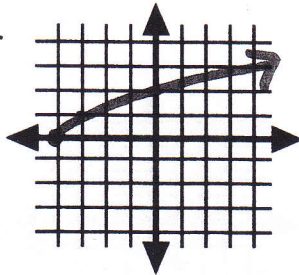
19.



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

(-2, -1)

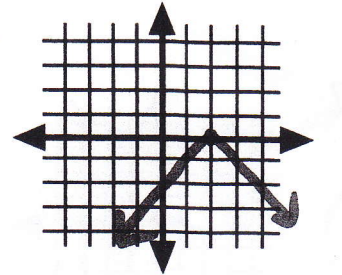
20.



$$y = \sqrt{x+4}$$

(-4, 0)

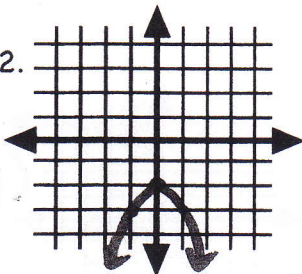
21.



$$y = -|x-2|$$

(2, 0)

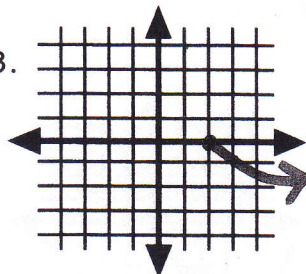
22.



$$y = -x^2 - 2$$

(0, -2)

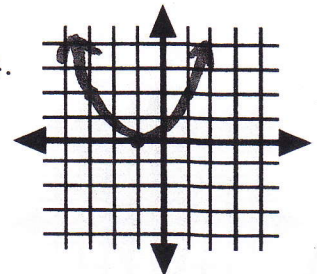
23.



$$y = -\sqrt{x-2}$$

(2, 0)

24.



$$y = \frac{1}{2}(x+1)^2$$

(-1, 0)