

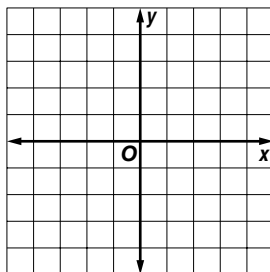
10-1

Skills Practice

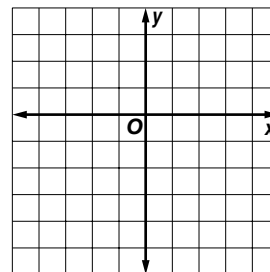
Graphing Quadratic Functions

Use a table of values to graph each function.

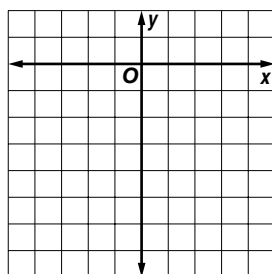
1. $y = x^2 - 4$



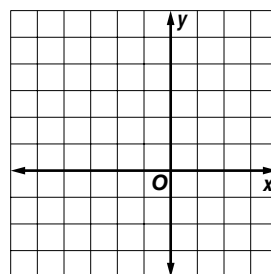
2. $y = -x^2 + 3$



3. $y = x^2 - 2x - 6$

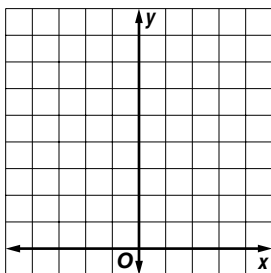


4. $y = -x^2 - 4x + 1$

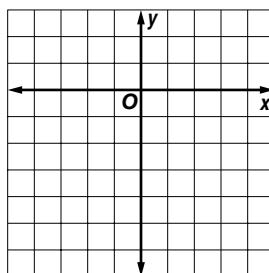


Write the equation of the axis of symmetry, and find the coordinates of the vertex of the graph of each function. Identify the vertex as a maximum or minimum. Then graph the function.

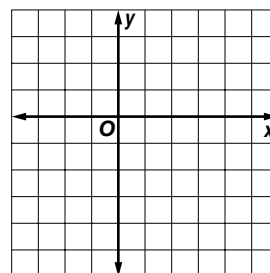
5. $y = 2x^2$



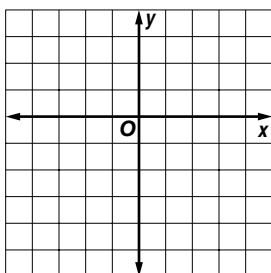
6. $y = x^2 - 2x - 5$



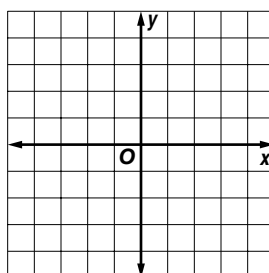
7. $y = -x^2 + 4x - 1$



8. $y = -x^2 - 2x + 2$



9. $y = 2x^2 + 4x - 2$



10. $y = -2x^2 - 4x + 6$

