

Graphing Quadratics Review Worksheet

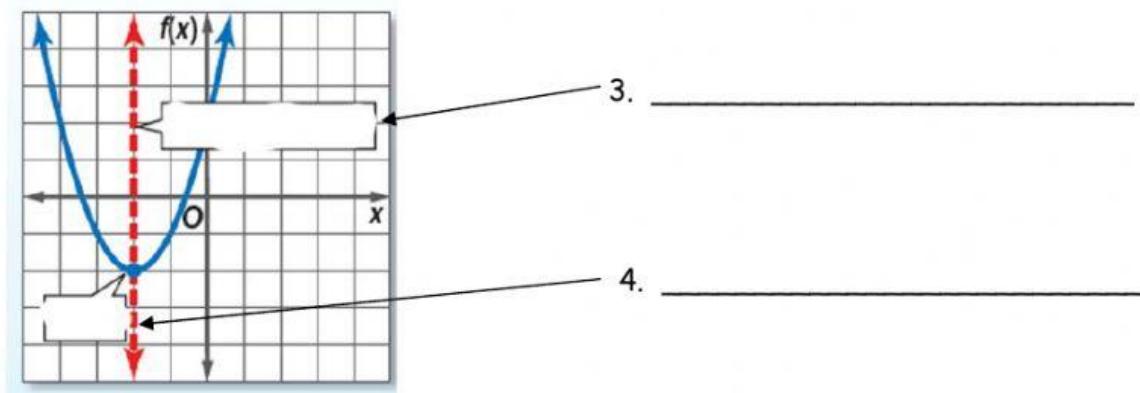
Name _____

Fill in each blank using the word bank.

| | | | |
|----------|---------|------------------|-----------------|
| vertex | minimum | axis of symmetry | x-intercepts |
| parabola | maximum | zeros/roots | $ax^2 + bx + c$ |

1. Standard form of a quadratic function is $y =$ _____

2. The shape of a quadratic equation is called a _____



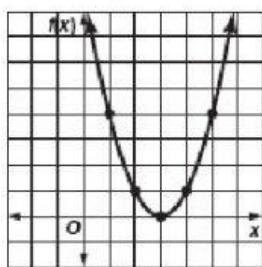
5. When the vertex is the highest point on the graph, we call that a _____.

6. When the vertex is the lowest point on the graph, we call that a _____.

7. Our solutions are the _____.

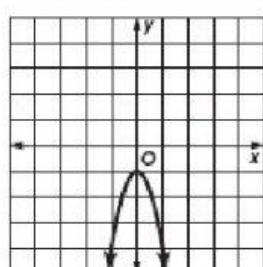
8. Solutions to quadratic equations are called _____.

Determine whether the quadratic functions have two real roots, one real root, or no real roots. If possible, list the zeros of the function.



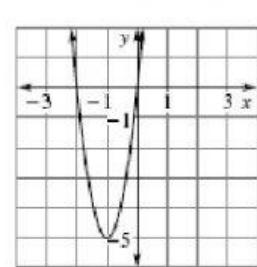
9. Number of roots: _____

Zero(s): _____



10. Number of roots: _____

Zero(s): _____



11. Number of roots: _____

Zero(s): _____