Algebra 1

Axis of Symmetry and Vertex

Find the Axis of symmetry and the vertex of each quadratic function.

1) $y = x^2 + 6x + 6$

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

3) $y = x^2 - 2x - 3$

4) $y = 2x^2 + 4x + 5$

5) $y = 2x^2 + 8x + 7$

6) $y = x^2 - 6x + 13$

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

8) $y = 2x^2 - 16x + 30$

9) $y = 2x^2 + 8x + 10$

10) $y = -x^2 + 6x - 13$