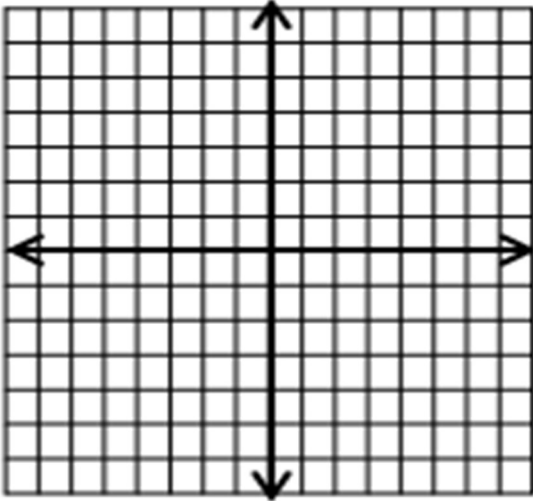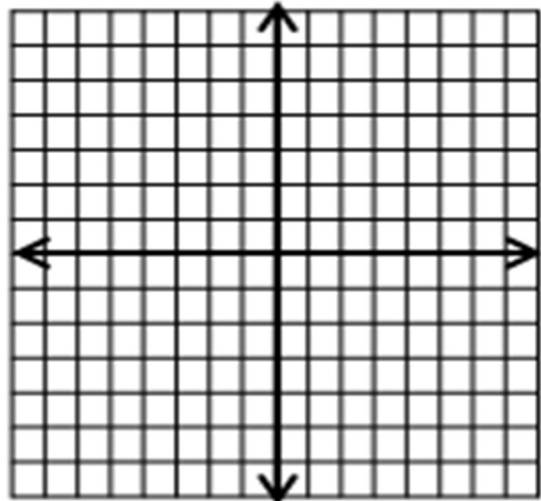# Math Worksheets

Graphing Quadratic Functions

✎ketch the graph of each function. Identify the vertex and axis of symmetry.
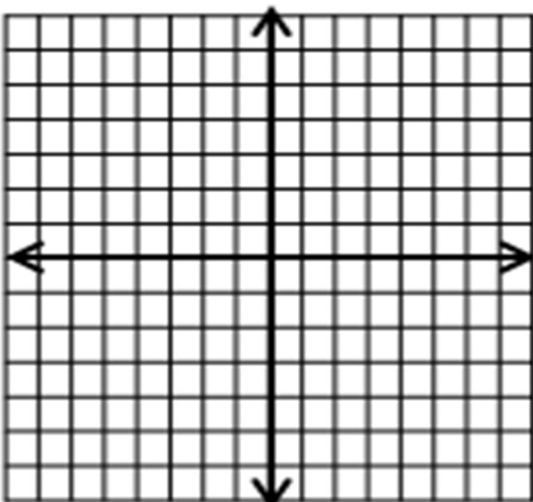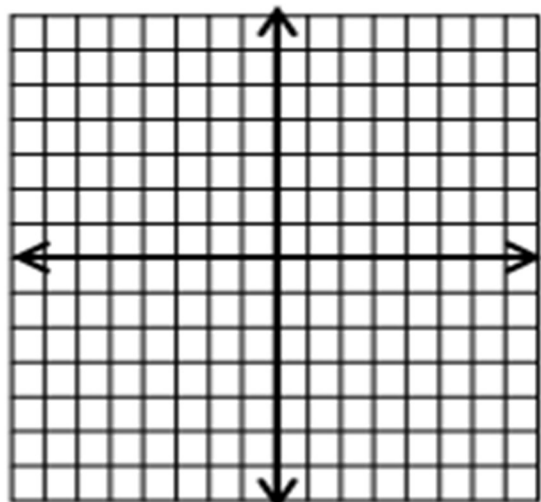
1) $y = (x + 3)^2 + 2$
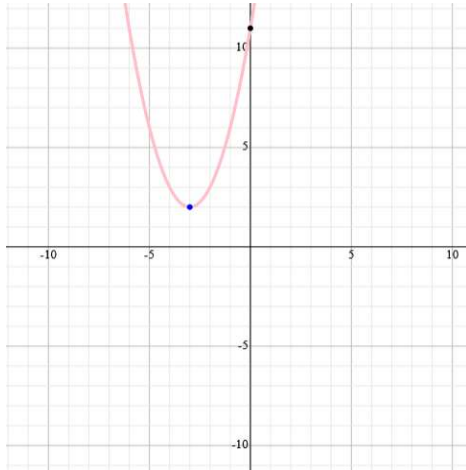
2) $y = (x - 3)^2 - 2$

3) $y = 6 - (-x + 4)^2$

4) $y = -3x^2 - 6x + 9$

Answers of Worksheets

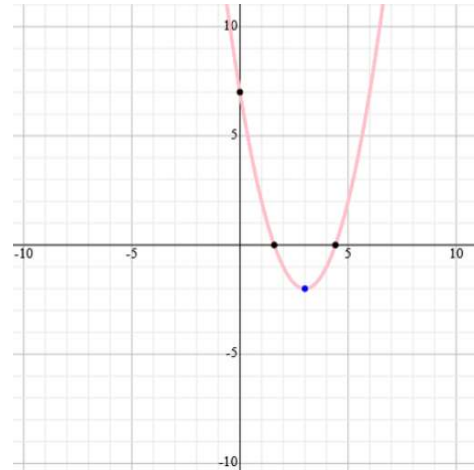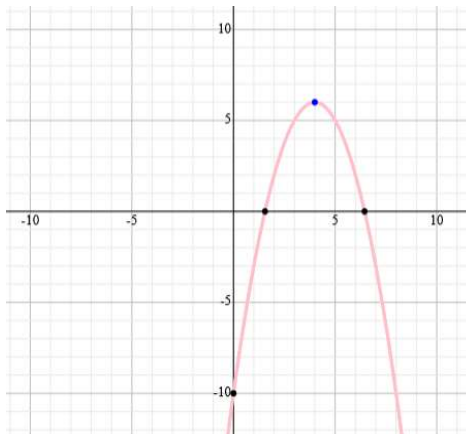**Graphing quadratic functions**

1) $(-3, 2), x = -3$

2) $(3, -2), x = 3$

3) $(4, 6), x = 4$

4) $(-1, 12), x = -1$