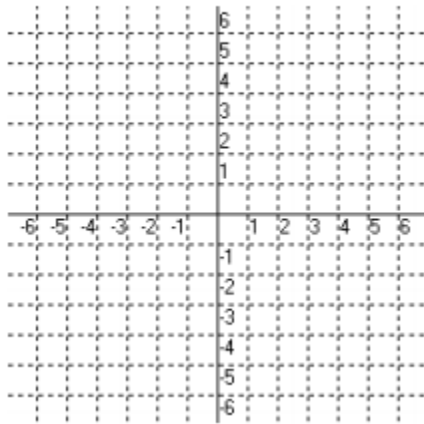


Vertex Form of a Quadratic

Name: _____

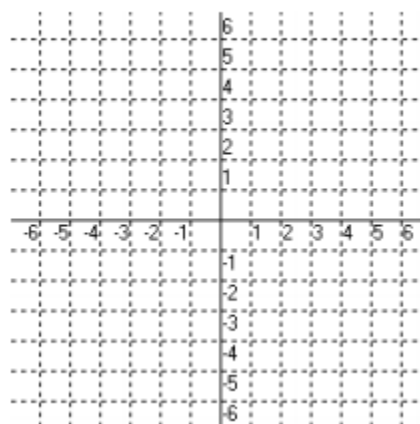
1. Graph $f(x) = (x + 3)^2 - 2$ Vertex = _____



| x | f(x) |
|---|------|
| | |
| | |
| | |
| | |
| | |

Axis of Symmetry: _____

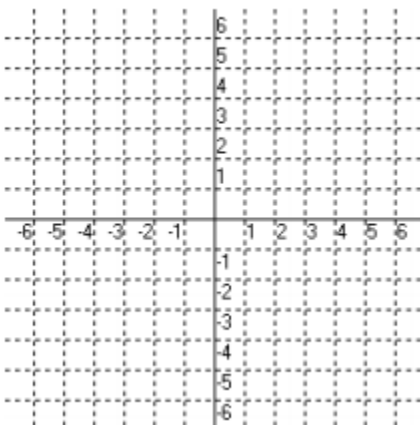
2. Graph $f(x) = (x + 1)^2 + 4$ Vertex = _____



| x | f(x) |
|---|------|
| | |
| | |
| | |
| | |
| | |

Axis of Symmetry: _____

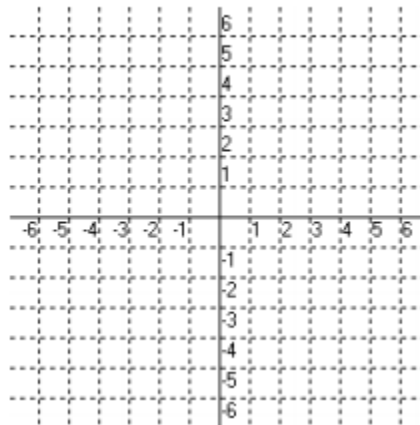
3. Graph $f(x) = 2(x - 2)^2 - 1$ Vertex = _____



| x | f(x) |
|---|------|
| | |
| | |
| | |
| | |
| | |

Axis of Symmetry: _____

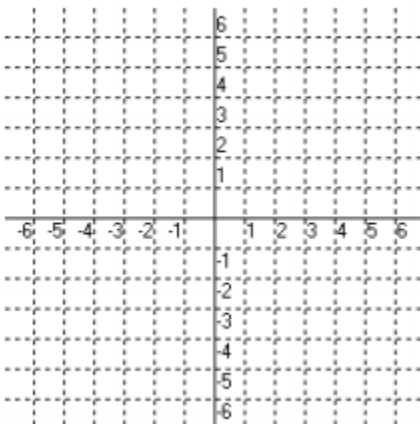
4. Graph $f(x) = (x - 4)^2 - 5$ Vertex = _____



| x | f(x) |
|---|------|
| | |
| | |
| | |
| | |
| | |

Axis of Symmetry: _____

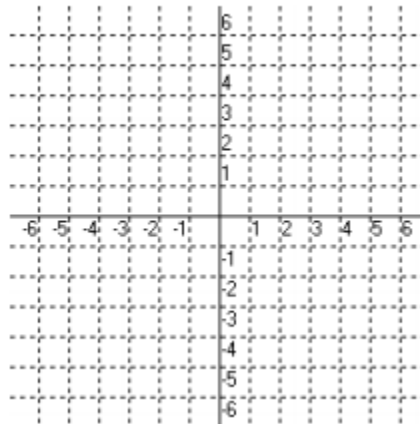
5. Graph $f(x) = -2(x - 2)^2 + 5$ Vertex = _____



| x | f(x) |
|---|------|
| | |
| | |
| | |
| | |
| | |

Axis of Symmetry: _____

6. Graph $f(x) = -\frac{1}{3}(x + 1)^2 + 4$ Vertex = _____



| x | f(x) |
|---|------|
| | |
| | |
| | |
| | |
| | |

Axis of Symmetry: _____

Write the equation of the parabola in vertex form.

7. Vertex: (2, 4); point: (-1, 31)

8) Vertex: (1, -4); point: (-1, -10)

9) Vertex: (-2,6); point: (2, 70)

10) Points: (6, 10), (0, 10), (3, 1)

