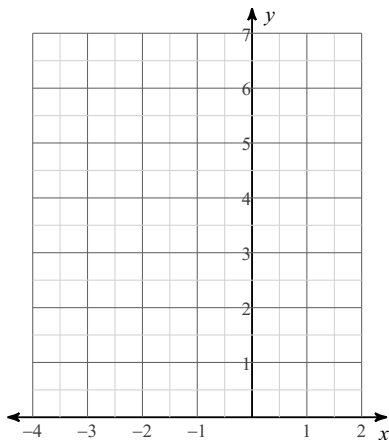


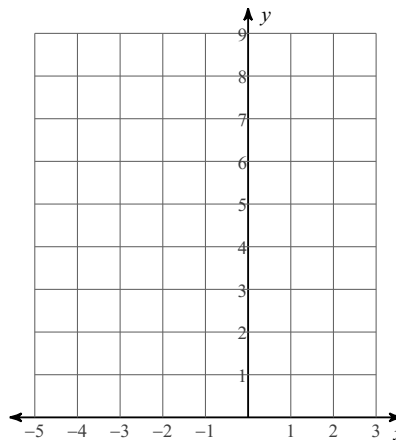
Graphing Quadratics: Vertex Form

Sketch the graph of each function on this worksheet or graph paper. Identify the vertex and axis of symmetry. Be sure to show ALL your work (must have a table)!!!

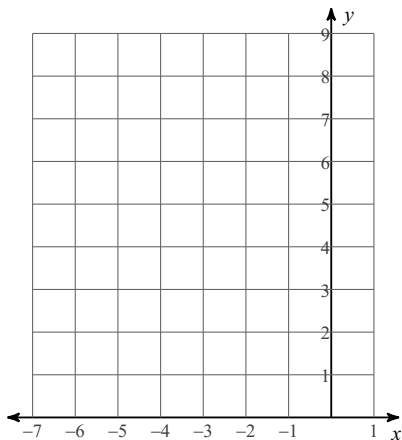
1) $y = (x + 2)^2 + 2$



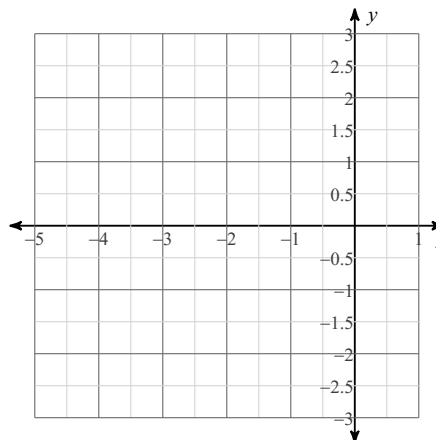
2) $y = (x - 1)^2 + 4$



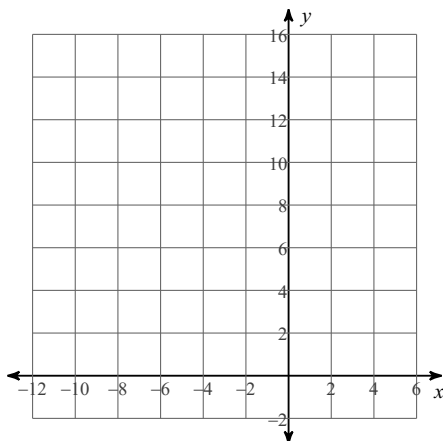
3) $y = (x + 3)^2 + 4$



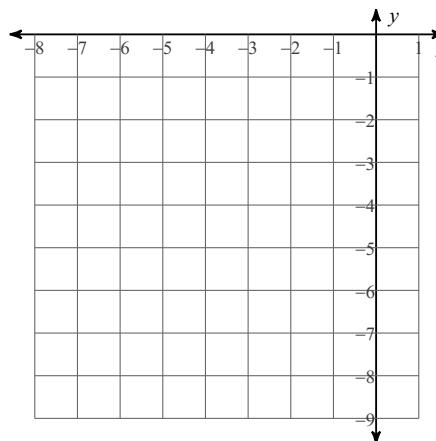
4) $y = -(x + 3)^2 + 2$



5) $y = 4(x - 1)^2 - 1$



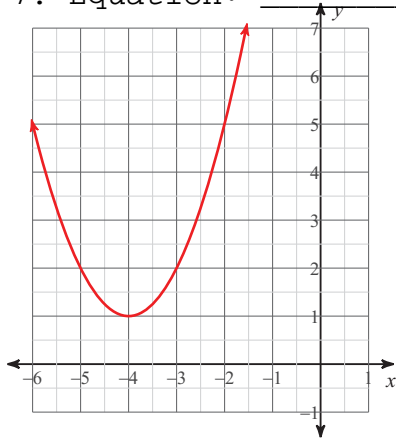
6) $y = -(x + 4)^2 - 4$



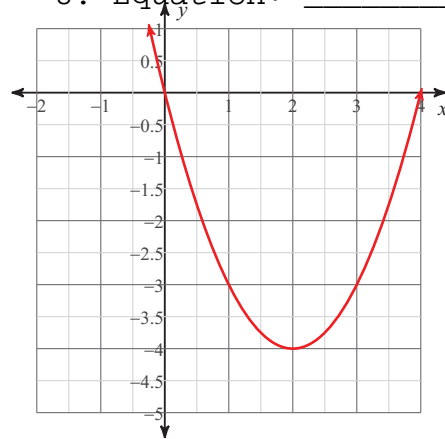
Quadratics: Writing Vertex Form

Using the given graph, identify the vertex, axis of symmetry and write the equation of the quadratic in vertex form.

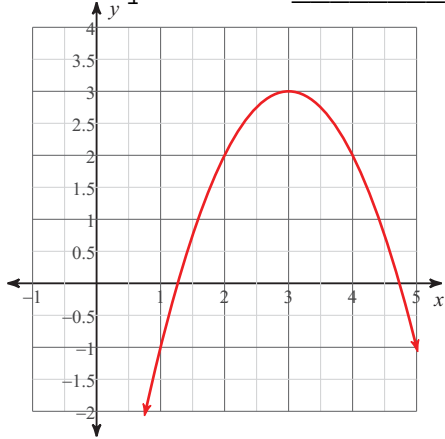
7. Equation: _____



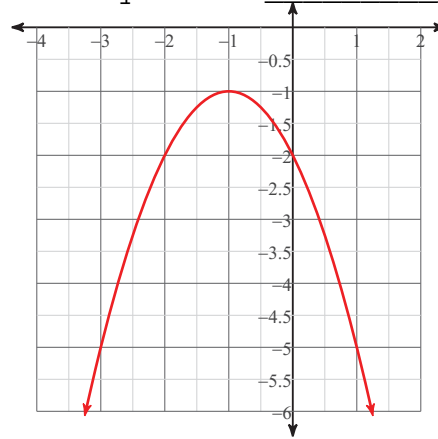
8. Equation: _____



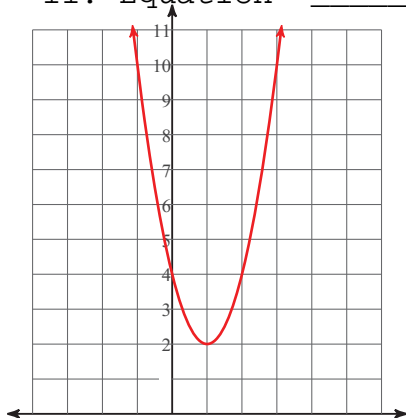
9. Equation: _____



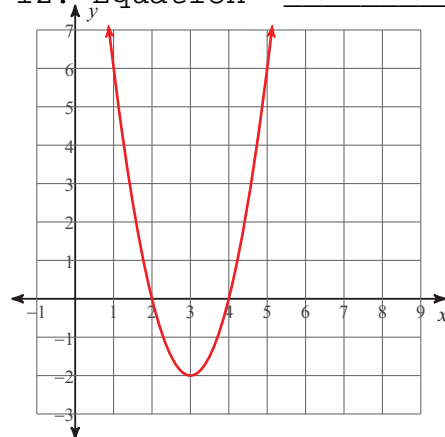
10. Equation: _____



11. Equation: _____

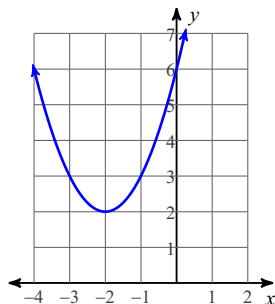


12. Equation: _____

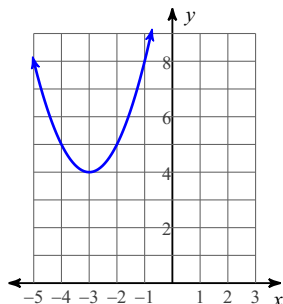


Answers to Graphing Quadratics: Vertex Form

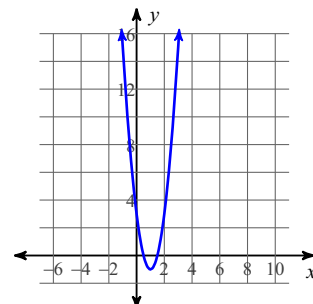
1)



3)



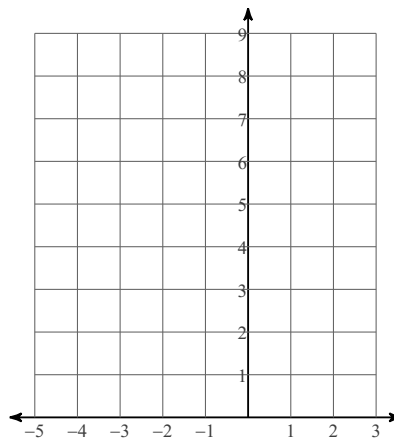
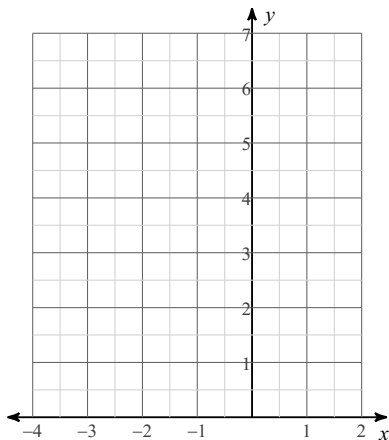
5)



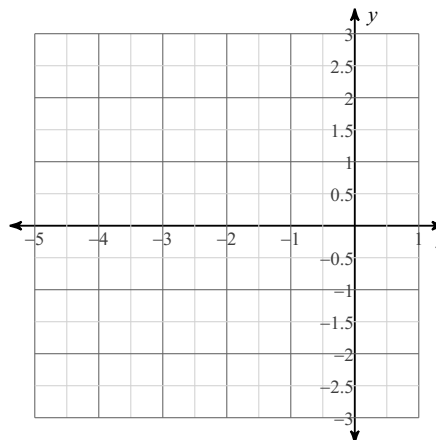
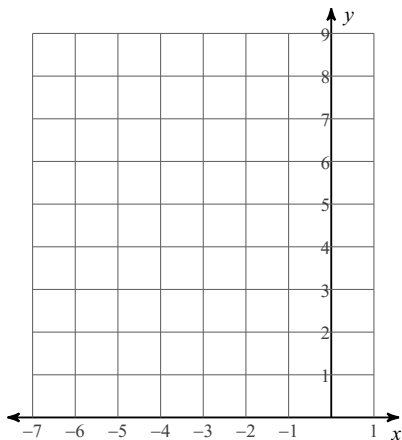
Graphing Quadratics: Vertex Form

Sketch the graph of each function on this worksheet or graph paper. Identify the vertex and axis of symmetry. Be sure to show ALL your work (must have a table)!!!

7. $y = (x + 2)^2 + 2$



9. $y = (x + 3)^2 + 4$



11. $y = 4(x - 1)^2 - 1$

