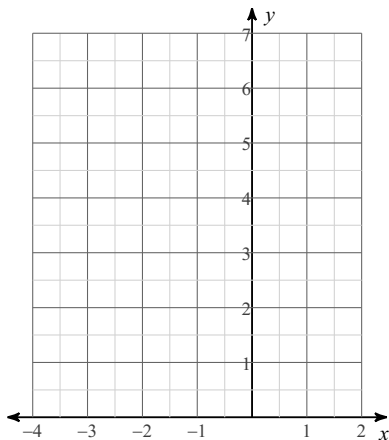


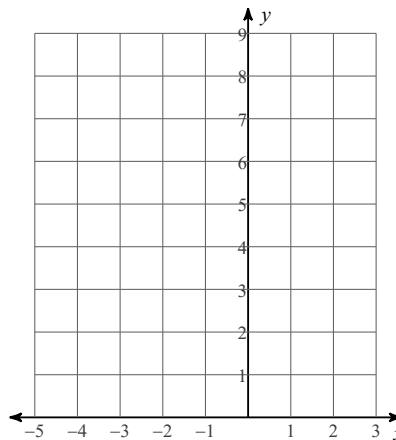
# Graphing Quadratics: Vertex Form

**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)!!!**

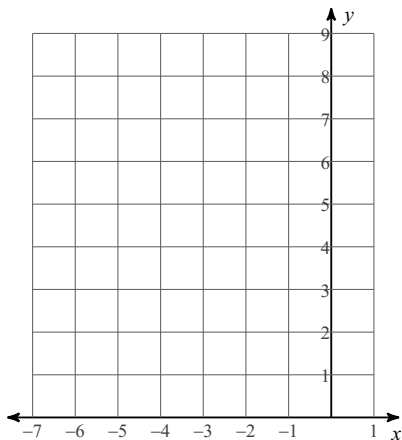
1)  $y = (x + 2)^2 + 2$



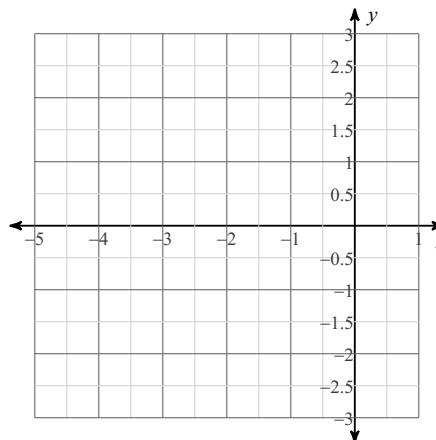
2)  $y = (x - 1)^2 + 4$



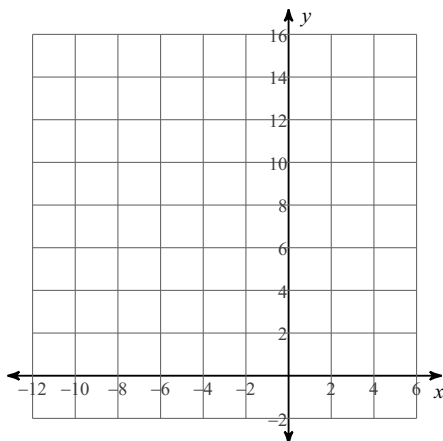
3)  $y = (x + 3)^2 + 4$



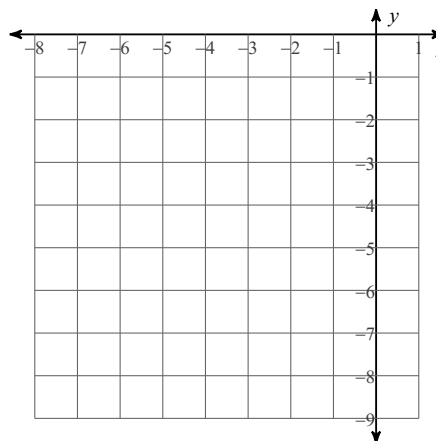
4)  $y = -(x + 3)^2 + 2$



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



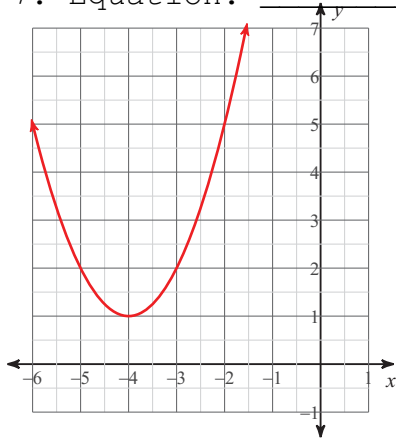
6)  $y = -(x + 4)^2 - 4$



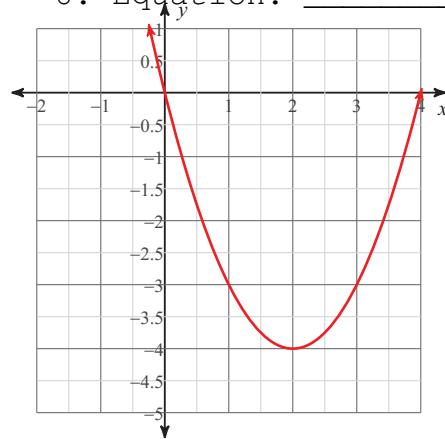
# Quadratics: Writing Vertex Form

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

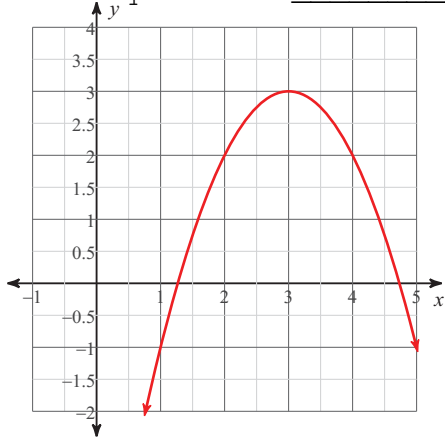
7. Equation: \_\_\_\_\_



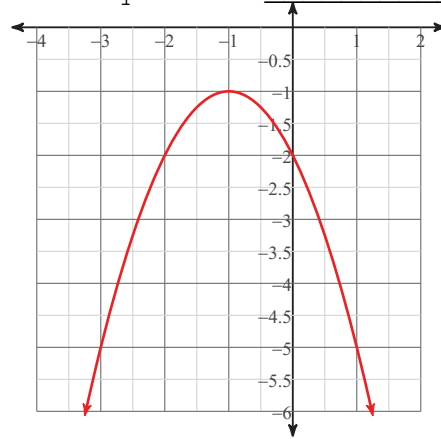
8. Equation: \_\_\_\_\_



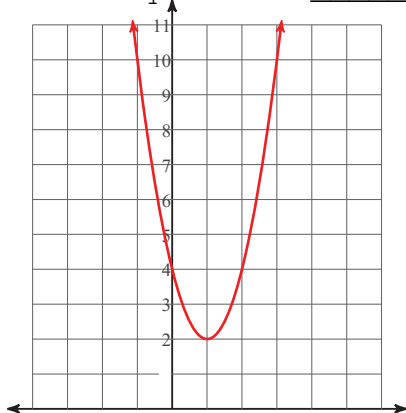
9. Equation: \_\_\_\_\_



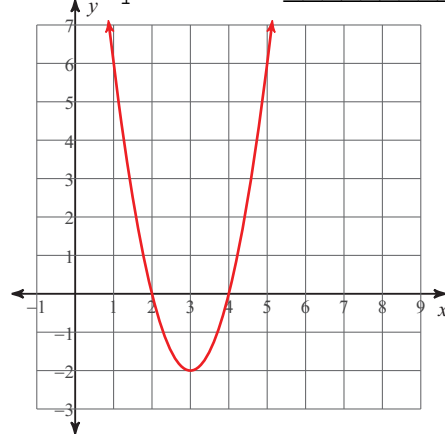
10. Equation: \_\_\_\_\_



11. Equation: \_\_\_\_\_

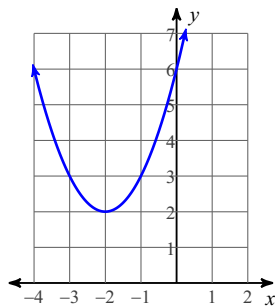


12. Equation: \_\_\_\_\_

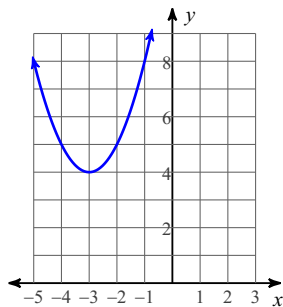


# Answers to Graphing Quadratics: Vertex Form

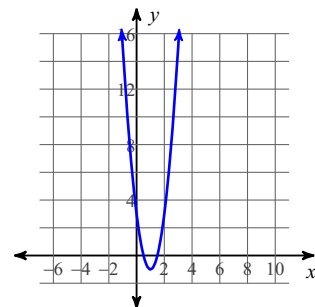
1)



3)



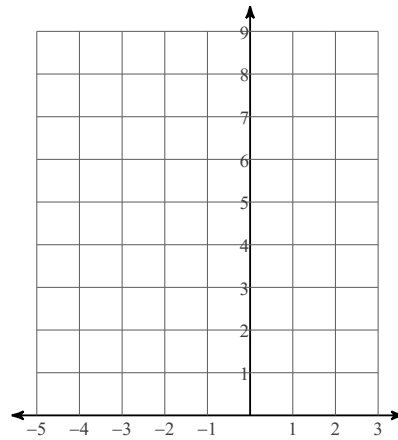
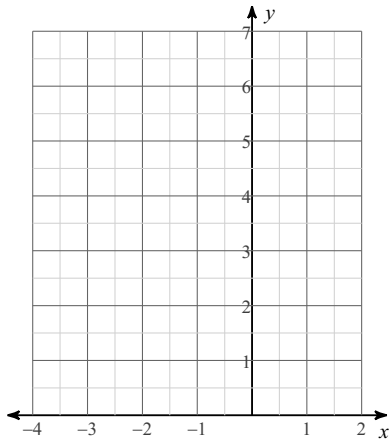
5)



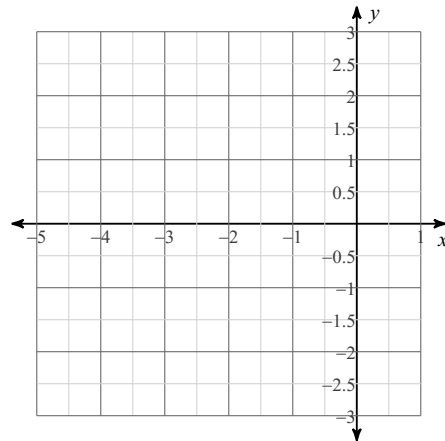
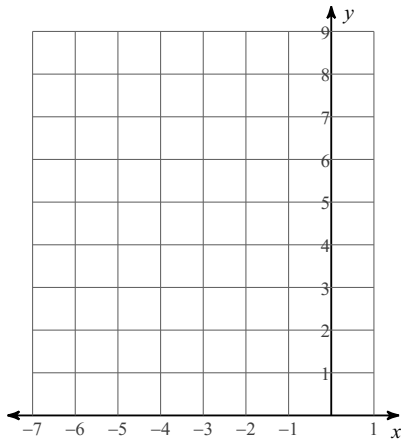
# Graphing Quadratics: Vertex Form

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

