

Writing an Equation from Zeros/Factors

Name: _____

Find the simplest equation (i.e. don't worry about solving for a) of the quadratic function that has the given information.

1) Solutions: $x = 4$ and $x = 9$

2) Roots: $x = -2$ and $x = 1.5$

Find the equation of the quadratic function that has the given x-intercepts and contains the given point.

3) Zeros: $x = -3$ and $x = 5$, Point: $(4, -3)$

4) Zeros: $1/4$ and -1 , Point: $(1, 3)$

Find the equation of the quadratic function that has the given x-intercept and vertex.

5) Vertex: $(-4, 3)$, x-intercept: $x = -5$

6) Vertex: $(-1, -25)$, x-intercept: $x = 4$

Write the equation of the quadratic function from each graph.

