

Altering Equations to Fit Our Needs – Day 1
Unit 2B: Quadratic Functions – Modeling

Without graphing the following functions identify each of the following:

A. The zeros of the function

B. The axis of symmetry

C. The extreme value

1. $h(t) = x^2 + 15x + 36$

2. $A(x) = x^2 + 2x - 63$

3. $h(t) = -t^2 + 12t - 27$

4. $C(r) = -r^2 + 5r + 14$

Without graphing the following functions identify each of the following:

A. The zeros of the function

B. The axis of symmetry

C. The extreme value

5. $h(t) = 5t^2 - 55t + 90$

6. $A(x) = 2x^2 - 14x - 88$

7. $h(t) = t^2 - 64$

8. $C(r) = -3r^2 + 9r + 120$