

Algebra 1 ~ Topic 8.1 to 8.3 Formula Sheet

Vertex Form

$$f(x) = a(x - h)^2 + k$$

Vertex: (h, k)

Axis of Symmetry: $x = h$

Standard Form

$$f(x) = ax^2 + bx + c$$

Axis of Symmetry: $x = \frac{-b}{2a}$

Vertex: $\left(\frac{-b}{2a}, f\left(\frac{-b}{2a}\right)\right)$

y-Intercept: c