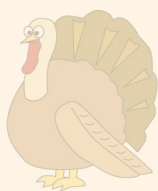


4-2 Standard Form of a Quadratic Function

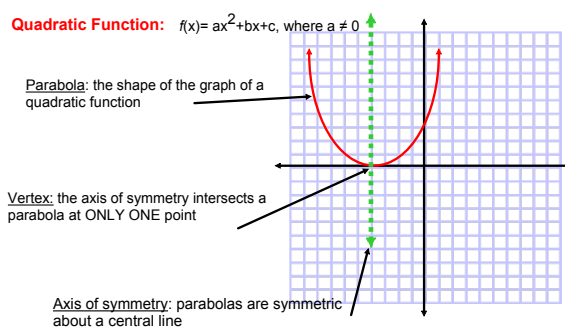
$$y = ax^2 + bx + c$$

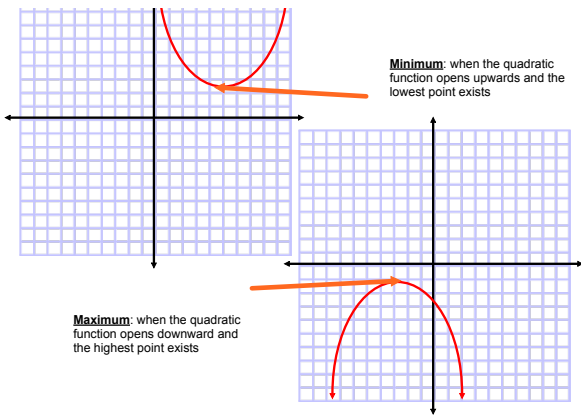


Given standard form ($y = ax^2 + bx + c$), you will find:

axis of symmetry	•
vertex	•
vertex form	•
max or min value	•
range	•
y-intercept	•
the graph	•

Quick Review ~ Don't Write





Start Writing...

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

Axis of Symmetry:

Vertex:

Vertex Form:

Max/Min Value:

y-intercept:

range:

Pull

$$y = -3x^2 - 6x + 15$$

Axis of Symmetry:

Vertex:

Vertex Form:

Max/Min Value:

y-intercept:

range:

Pull

Okay smartie pants...

Can you go from vertex form to standard form?

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

Pull