

# Algebra

## Conic Sections - Parabolas

### YAY MATH!

Students will be able to complete the following problems after watching the video:

Graph the following conic sections:

$$y = \frac{1}{8}(x-3)^2 + 4$$

Vertex?

Axis of symmetry?

Focus?

Latus Rectum?

$$y = -\frac{1}{2}(x-1)^2 + 4$$

Vertex?

Axis of symmetry?

Focus?

Latus Rectum?

Directrix?