## **Conic Flyer Exploration Questions**

- 1. When is the equation of an ellipse the same as an equation for a circle?
- 2. How is the equation for a vertical parabola similar to a horizontal parabola? How are they different?
- 3. How is the equation for a vertical hyperbola similar to a horizontal hyperbola? How are they different?
- 4. Describe in general terms how each parameter of the equation changes the graph for a:
  - Vertical Hyperbola
  - Horizontal Hyperbola
  - Vertical Parabola
  - o Horizontal Parabola
  - o Circle
  - Ellipse