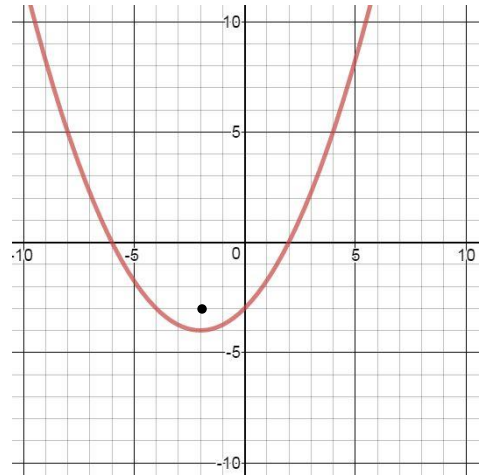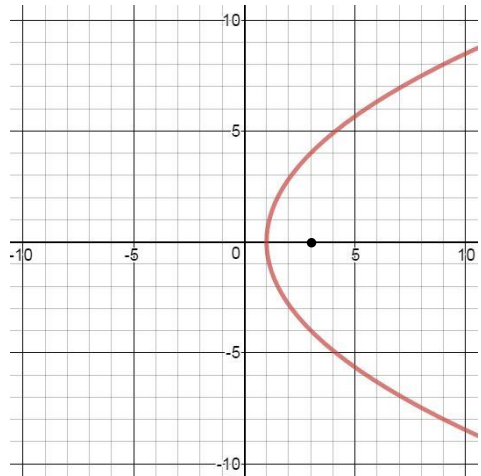Conic Sections CS2: Parabolas 1

Find the specified quantities:

1. a. The Vertex   _____

   b. Coordinates of the Focus   _____

   c. Draw the Directrix

   d. The equation of the Directrix   _____

   e. Draw the Latus Rectum

   f. The length of the Latus Rectum _____

2. a. The Vertex   _____

   b. Coordinates of the Focus   _____

   c. Draw the Directrix

   d. The equation of the Directrix   _____

   e. Draw the Latus Rectum

   f. The length of the Latus Rectum   _____

3. a. The Vertex   _____

   b.   h = _____   k = _____

The equation of this parabola is : $y = -\frac{1}{2}(x-2)^2 + 4$

   c.   a = _____

   d. The coordinates of the Focus   _____

   e. Draw the Focus

   f. The equation of the Directrix   _____

   g. Draw the Directrix

   h. Calculate the length of the Latus Rectum   _____