

8.1, 8.2 & 8.3 Parabolas, Ellipses & Hyperbolas
 Target 4A/4C/4E: Investigate the geometric properties of parabolas/ellipses/hyperbolas

Accurately Graphing Conics by Hand

Parabola	Ellipse	Hyperbola
<p><i>Identify:</i></p> <ol style="list-style-type: none"> 1. Orientation 2. Focal length: p <p><i>Sketch & label graph:</i></p> <ol style="list-style-type: none"> 1. Vertex (V) 2. Focus (F) 3. Directrix (D) 4. Focal width (Latus rectum) 5. Parabola 	<p><i>Identify:</i></p> <ol style="list-style-type: none"> 1. Orientation 2. Semi-major axis: a Semi-minor axis: b <p><i>Sketch & label graph:</i></p> <ol style="list-style-type: none"> 1. Center (C) 2. Vertices (V) & co-vertices 3. Foci (F) 4. Ellipse 	<p><i>Identify:</i></p> <ol style="list-style-type: none"> 1. Orientation 2. Semi-transverse axis: a Semi-conjugate axis: b <p><i>Sketch & label graph:</i></p> <ol style="list-style-type: none"> 1. Center (C) 2. Vertices (V) & co-vertices 3. Rectangle 4. Asymptotes 5. Branches of hyperbola 6. Foci (F)



