

8.1, 8.2 & 8.3 Parabolas, Ellipses & Hyperbolas

Target 4A/4C/4E: Investigate the geometric properties of parabolas/ellipses/hyperbolas

Graphing Conic Sections By Hand Key Features List

Parabola	Ellipse	Hyperbola
<ol style="list-style-type: none"> 1. Orientation 2. Vertex 3. p 4. Focus 5. Directrix 6. Focal width (Latus rectum) 7. Axis of symmetry 	<ol style="list-style-type: none"> 1. Orientation 2. Semi-major axis: a Semi-minor axis: b 3. Center 4. Vertices 5. Foci 6. Focal axis 7. Eccentricity 	<ol style="list-style-type: none"> 1. Orientation 2. Semi-transverse axis: a Semi-conjugate axis: b 3. Center 4. Vertices 5. Asymptotes 6. Foci 7. Focal axis 8. Eccentricity