Instructional Flow – Unit 8 – Conic Sections

IG Introduction to Conic Sections
- intersection of a plane and a double-napped cone

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10.2 Parabolas
- definition, properties, and graphs
- standard equation of a parabola
- applications

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10.3 Circles
- standard equation of a circle
- applications

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10.4 Ellipses
- definition, properties, and graphs
- standard equation of an ellipse
- applications

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10.5 Hyperbolas
- definition, properties, and graphs
- standard equation of a hyperbola
- applications

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10.6 Graphing and Classifying Conics
- translated conics
- classification of conic sections from their general equation

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10.7 Solving Quadratic Systems
- solution of systems graphically and algebraically