Name: Mrs. Woods		Grading Quarter: 3	Week Beginning: 2/3/25
School Year: 24-25		Subject: Precalculus	
Monday	Notes:	Objective: Students will be able to identify conic sections from general equations. Lesson Overview: Notes – Intro to conics, what they are, how they are created from cross sections General vs standard form Explore on Desmos	Academic Standards: RFR.IC.5 Given a quadratic equation of the form ax^2 + by^2 + cx + dy + e = 0, determine if the equation is a circle, ellipse, parabola, or hyperbola.
Tuesday	Notes:	Objective: Students will be able to graph circles. Lesson Overview: Circle patterns on Desmos activity	Academic Standards: RFR.IC.4 Use the key features of a conic section to write its equation. .
Wednesday	Notes:	Objective: Students will be able to graph circles. Lesson Overview: Notes – standard vs general form, vertex, radius, tangent examples Circle patterns on Desmos activity	Academic Standards: P.G-GPE.A.3 Derive the equations of ellipses and hyperbolas given the foci, using the fact that the sum or difference of distances from the foci is constant.
Thursday	Notes:	Objective: Students will be able to graph ellipses. Lesson Overview: Notes – standard vs general form, vertices, co-vertices, major vs minor axis	Academic Standards: P.G-GPE.A.3 Derive the equations of ellipses and hyperbolas given the foci, using the fact that the sum or difference of distances from the foci is constant.
Friday	Notes:	Objective: Students will be able to identify conic sections from general and standard equations. Lesson Overview: U6 L1 Quiz Watch “Whispering Gallery” video to discuss application of ellipses	Academic Standards: P.G-GPE.A.3 Derive the equations of ellipses and hyperbolas given the foci, using the fact that the sum or difference of distances from the foci is constant.