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| **OBJECTIVES**  |

* **Review for the Trig Post Test.**
* **Begin our study of the Conic Sections.**



The **three basic conic sections** are the ellipse (a circle is a special type of ellipse), the hyperbola and the parabola. First, we will discuss the ellipse.

**TUESDAY (4.15.25)**

* **Turn in your Polar System Take-Home Test.**
* **Discuss the Trig Review for Post Test** (You may use 2 sheets of 8.5-by-11-inch paper, front and back, when you take this **test on Thursday, April 17.** You may also refer to your printed unit circle.) **Please note that the answers** for this review are posted in Google Classroom.

**THURSDAY (4.17.25)**

* **Trigonometry Post Test** (You may use 2 sheets of 8.5-by-11-inch paper, front and back. You may also refer to your printed unit circle.)
* **HOMEWORK:**
* **Read and take notes on Ellipses (pages 574 – 584).**
* **Page 582, *Exercises*, #1, 3.**

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|  **OBJECTIVES \_\_\_\_\_ ELLIPSES** (Pages 574 – 584) |
| Define *ellipse* as a conic section. |
| Given the standard equation of an ellipse with center (h, k), sketch the ellipse. |
| Locate the key points of an ellipse: center, vertices, co-vertices, major axis, minor axis, foci. |
| Understand that a circle is a special type of ellipse. |
| Find the eccentricity, ***e***, of an ellipse. Note that 0 ≤ e ˂ 1. Also, when e = 0, the ellipse is a circle. |
| Find the equation of an ellipse based upon given information. |
| Model an actual situation with an ellipse.  |

**FRIDAY (4.18.25) A-DAY, NO CLASS**