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| **New OBJECTIVES: HYPERBOLAS, Section 8.3** (pages 585 – 591) |
| * Define *hyperbola* as a conic section. |
| * Derive the standard equation of a hyperbola with center (h, k), sketch the hyperbola. |
| * Identify the key features of a hyperbola: center, 2 vertices, transverse axis, conjugate axis, 2 asymptotes, 2 foci, and the focal axis. |
| * Find the eccentricity of a hyperbola |
| * Find the equation of a hyperbola based upon given information. |
| * Model an actual situation with a hyperbola. |

**TUESDAY (5.6.25)**

**Discuss the previously assigned work:** Page 592:(#11, 13, 15).

**Class Work:** Page 592 (#23 – 37, odds).

**THURSDAY (5.8.25)**

**Senior Exam Period**

**All other students \_\_\_Class Work/Homework:** Page 592 (#39, 41, 47 – 52).

**FRIDAY (5.9.25)**

**Discuss the previously assigned work:** Page 592 (#39, 41, 47 – 52).

**Class Work/Homework:** Page 593 (#54).

**TUESDAY (5.13.25)**

**Discuss the previously assigned work:** Page 593 (#54).

**Class Work/Homework:** Pages 593, 594 (#65 – 68).

**Review for your Final Exam**. You may use your Unit Circle and 2 pages of notes, front and back, 8.5 by 11 inches.

**THURSDAY (5.15.25)**

**Review for your Final Exam**. You may use your Unit Circle and 2 pages of notes, front and back, 8.5 by 11 inches.