

Precalculus Final Exam Review Extras

Things to review before the exam:

- Properties of limits (10.3)
- Finding limits and vertical asymptotes (10.3)
- Finding limits for a piecewise function (10.3)
- Finding limits algebraically (10.3)
- Finding limits using direct substitution (10.3)
- Finding the definite integral by computing an area (10.2)
- Computing the average of RRAM and LRAM to estimate area between the graph of a function and the x-axis (10.2)
- How to write an equation for a parabola, ellipse or hyperbola (8.1, 8.2, 8.3)
- How to find the center, vertices and foci for conic sections (8.1, 8.2, 8.3)
- Identifying elementary row operations performed on a matrix (7.3)
- Solving using Gaussian elimination (7.3)
- Finding the determinant (7.2)
- Solving a system using elimination, substitution or graphing (7.1)
- Finding a unit vector and the dot product (6.1 & 6.2)
- Changing from component to polar and polar to component (6.1 & 6.4)
- Finding the area of a triangle given SAS or SSS (5.6)
- Using trigonometric identities to find exact values for angles that are a multiples of 15° or $\pi/12$ (5.3)

Other recommended Problems to review for the Exam (besides the packets)

<u>Lesson</u>	<u>#(s)</u>	<u>Lesson</u>	<u>#(s)</u>
5.1	36, 57	6.1	17, 42
5.2	18, 30, 36	6.3	17
5.3	5, 12	6.4	17, 29
5.4	6		
5.5	6, 9	7.1	21
5.6	18, 21	7.2	19, 35
		7.3	3, 35
10.1	17, 19	7.4	6, 21, 27
10.2	17, 19, 27		
10.3	3, 11, 13, 30, 37, 38	8.1	21, 35
		8.2	15, 27, 45
		8.3	15, 35

