Final Exam Objectives

- 1. Find the exact value of an angle in a given interval given a trig function pg 366 #29-34
- 2. Find the exact value of an angle given the inverse of a trig function pg 385 #1-12
- 3. Find the exact value of a composition of trig functions pg 385 #23-32
- 4. Simplify trig expressions using basic trig identities pg 410 #9-32
- 5. Solving trig equations by factoring trig expressions using identities **pg 411 #39-46**, **pg 411 #51-56**
- 6. Use the sum/difference trig identity to give the exact value of a trig function pg 425#1-4
- 7. Solve triangles using law of sine pg 439 #1-12
- 8. Find the area of a triangle using the area formula (pg 444) pg 448 #17-20
- 9. Find the area of a triangle using Heron's formula (pg 445) pg 448 #21-28
- 10. Finding the dimensions of a rectangular shape given its area and perimeter pg 528 #49
- 11. Solve a system of linear equations from a word problem pg 528 #53
- 12. Using combination nCr to find the number of committee members pg 649 #27
- Find an explicit and recursive rule for an arithmetic and geometric series pg 676 #21-28
- 14. Find the vertices and foci of ellipses and hyperbolas **p599: 1-6,7-16. P609#1-10**