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 systems of linear equations from a word problem.
pg 528 #53

12) Using combination nCr to find the number of committee members.
pg 649 #27

13) Find an explicit rule for an arithmetic series. pg 676 #21-24 (a,b, d)