Chapter 5: Analytic Trigonometry Summary
Course Textbook by Blitzer, PreCalculus Essentials 4th edition, Pearson

Section 1: Be Able To
- Use the fundamental trigonometric identities to verify identities

Section 2: Be Able To
- Use the formula for cosine of the difference of two angles
- Use sum and difference formulas for cosines and sines
- Use sum and difference formulas for tangents
- Apply the concepts: Reference page 643 problems 79 - 80

Section 3: Be Able To
- Use the double-angle formulas
- Use the power-reducing formulas
- Use the half-angle formulas
- Apply the concepts: Reference page 654 problems 79

Section 4: Be Able To
- Use the product-to-sum formulas
- Use the sum-to-product formulas

Section 5: Be Able To
- Find all solutions of a trigonometric equation
- Solve equations with multiple angles
- Solve trigonometric equations quadratic in form
- Use factoring to separate different functions in trigonometric equations
- Use identities to solve trigonometric equations
- Use calculator to solve trigonometric equations
- Apply the concepts: Reference pages 425 - 426 problems 65 - 76