

## Algebra 2

### Chapter Seven (Including Section 6-1) Outcomes and Homework

#### **OUTCOMES:**

At the end of Chapter Seven, each student should be able to do the following:

- Convert angle measurements back and forth between degrees and radians
- Calculate coterminal angles
- Understand and apply the unit circle definition of trigonometric functions
- Find the trig values exactly for special angles
- Graph and give the equations of sine and cosine functions
- **Graph and give the equations of tangent, cotangent, secant and cosecant functions**
- Use trigonometric functions to model harmonic motion

#### **HOMEWORK:**

6-1 # 1,5,7,13,17,21,25,27,41,47

7-1 # 7, 11, 13, 17, 19, 25, 27, 29, 31, 33, 41, 51, 53, **55**

7-2 # 5, 9, 11, 17, 33, 37, 41, 43, 51, **59**, 63, 67, **73**, **77**, 82, **83**

7-3 # 17, 21, 25, 29, 33, 37, 41, 43, 45, 47, **59**, 67, 69, 75, 77, **82**

7-4 # **1 – 6 all**, **7**, **11**, **13**, **25**

7-5 # 25, 27, 29, 31, 34, **35**, 40, 41

Chapter 7 Review Sheet