**Algebra 1 - Homework Syllabus**

**(Acc)**

**Expectations:**  
**·Rewrite original problem (unless word problem or specified)**  
**·Show ALL work in the vertical format. (Must show each step)**  
**·Answer question being asked**

**·Students may use a calculator**

**Chapter 11: Simplifying Radicals &**

**Pythagorean Theorem**

**11.2: Simplify Radical Expressions (pp.723-724)**

**Set A: Simplify Radicals Using the Product Property (16):** 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,

13, 14, 15, 16, 17, 18

**Set B: Simplify Radicals Using the Quotient Property (4):**19, 20, 21, 22

**Set C: Rationalize the Denominator (8):** 26, 27, 28, 29, 30, 31, 32, 33

**Set D: Add and Subtract Radicals (12):** 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

**Set E: Operations with Radicals (9):** 46, 47, 48, 49, 50, 51, 51, 53, 54

49 Problems Total

**11.4: Apply the Pythagorean Theorem and Its Converse (pp. 740-742)  
Set A: Find a missing side of a right triangle (5):** 4, 6, 7, 9, 11 **Set B: Decide if 3 sides could form a right triangle (3):** 23, 25, 27

**WP: Word Problems (4):** 29, 33, 37, 38

12 Problems Total