**Algebra 1 - Homework Syllabus**

**(Reg)**

**Expectations:**  
**·Rewrite original problem (unless word problem or specified)**  
**·Show ALL work**  
**·Answer question being asked**  
**\*Indicates students may use a calculator**

**Chapter 2: Properties of Real Numbers**

**2.1: Use Integers and Rational Numbers (pp. 67-70)**  
**Set A: Comparing/Ordering Rational Numbers:** 14, 16, 20  
**Set B: Absolute Value and Opposites:** 28, 34, 44, 46, 48  
**WP:** 53, 54, 57

11 Problems Total

**2.2: Add Real Numbers (pp. 77-79)**  
**Set A: Sum of 2 numbers:** 14,18  
**Set B: Sum of 3 numbers:** 32, 34, 36  
**Set C: Algebraic Expressions Involving Sums:** 38, 40  
**WP:** 53, 57

9 Problems Total

**2.3: Subtract Real Numbers (pp. 82-84)**  
**Set A: Subtract:** 6, 10, 12  
**Set B: Algebraic Expressions and Real-World Change:** 18, 20, 26, 28  
**Set C: More difficult Algebraic Expressions:** 32, 34  
**WP:** 42, 43, 44

12 Problems Total

**2.4: Multiply Real Numbers (pp. 91-93)**  
**Set A: Products:** 12, 14  
**Set B: Simplify Algebraic Expressions Using Products:** 28, 30, 32  
**Set C: Evaluate Algebraic Expressions:** 38, 40  
**WP:** 50, 51

9 Problems Total

**2.5: Apply the Distributive Property (pp. 99-101)**  
**Set A: Simplify Using the Distributive Property:** 8, 10, 14, 18  
**Set B: Identify Term, Like Coefficients, Coefficient and Constants:** 24, 26  
**Set C: Combine Like Terms and Simplify Expressions:** 32, 34, 36, 40  
**WP:** 51, 52, 53

13 Problems Total

**2.6: Divide Real Numbers (pp. 106-108)**  
**Set A: Multiplicative Inverse and Quotients:** 10, 18, 20  
**Set B: Finding Means:** 26, 28  
**Set C: Simplifying Fractional Expressions (Ex: ):** 34, 36  
**Set D: Evaluate Algebraic Expressions:** 44, 46  
**WP:** 52, 53

11 Problems Total

**2.7: Find Square Roots and Compare Real Numbers (pp. 113-116)**  
**Set A: Evaluate Square Roots:** 8, 10  
**Set B: Approximate Square Roots:** 16, 20  
**Set C: Classify Real Numbers and Order:** 24, 26  
**Set D: Evaluating Expressions Involving Square Roots:** 36, 38  
**WP:** 48, 49

10 Problems Total