**Algebra 1 - Homework Syllabus**

**(P1)**

**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:** 6, 8, 10, 12, 14, 16, 20  
**Set B: Absolute Value and Opposites:** 24, 28, 30, 42, 44, 48  
**WP:** 53, 54, 56

16 Problems Total

**2.2: Add Real Numbers (pp. 77-79)**  
**Set A: Sum of 2 numbers:** 4, 6, 8, 10, 12, 14, 16  
**Set B: Sum of 3 numbers:** 32, 34  
**Set C: Algebraic Expressions Involving Sums:** 38  
**WP:** 53, 54

12 Problems Total

**2.3: Subtract Real Numbers (pp. 82-84)**  
**Set A: Subtract:** 3, 4, 5, 6, 7, 8, 9, 10  
**Set B: Algebraic Expressions and Real-World Change:** 18, 20, 22, 26, 28  
**WP:** 42, 43, 44

16 Problems Total

**2.4: Multiply Real Numbers (pp. 91-93)**  
**Set A: Products:** 4, 6, 8, 12, 16 **Set A2:** 3, 5, 7  
**Set B: Simplify Algebraic Expressions Using Products:** 28, 29, 31, 34  
**Set C: Evaluate Algebraic Expressions:** 37, 38  
**WP:** 50, 51

12 Problems Total

**2.5: Apply the Distributive Property (pp. 99-101)**  
**Set A: Simplify Using the Distributive Property:** 6, 8, 10, 12, 14 **Set A2:** 5, 7, 9, 11, 13, 15  
**Set B: Identify Term, Like Coefficients, Coefficient and Constants:** 22, 24  
**Set C: Combine Like Terms and Simplify Expressions:** 28, 30, 32, 36, 38, 40  
**WP:** 51

14 Problems Total

**2.6: Divide Real Numbers (pp. 106-108)**  
**Set A: Multiplicative Inverse and Quotients:** 11, 12  
**Set B: Finding Means:** 24, 26  
**Set C: Simplifying Fractional Expressions (Ex: ):** 33, 34, 35  
**Set D: Evaluate Algebraic Expressions:** 44, 46

9 Problems Total

**2.7: Find Square Roots and Compare Real Numbers (pp. 113-116)**  
**Set A: Evaluate Square Roots:** 3, 4, 5, 6, 8  
**Set B: Approximate Square Roots:** 15, 16, 20  
**Set C: Classify Real Numbers and Order:** 24  
**Set D: Evaluating Expressions Involving Square Roots:** 34, 36  
**WP:** 47, 48

13 Problems Total