

Professional High School

FIRST QUARTER

**MATHEMATICS 9**

**QUARTERLY WORK PLAN**



## **PATTERNS AND ALGEBRA**

### **I. Rational Roots and Exponents**

- ☐ A. Zero and Negative Exponents
- ☐ B. Rational Exponents
- ☐ C. Square Roots and Other Roots

### **II. Radical Expressions and Equations**

- ☐ A. Properties of Radicals
  - Simplifying Radicals*
- ☐ B. Operations on Radical Expressions
  - ☐ 1. Adding & Subtracting Radicals
  - ☐ 2. Multiplying Radicals
  - ☐ 3. Dividing Radicals
    - Rationalizing the Denominator*
- ☐ C. Radical Equations (non-quadratic)
  - ☐ 1. Extraneous Roots
  - ☐ 2. Solving Radical Equations
  - ☐ 3. Applications