

## UNIT 4 Concepts

### **N.RN.2 Rewrite expressions involving radicals. (limited to square roots)**

*Pre-Req Skills: Properties of Exponents, Properties of Square Roots (Product and Quotient Property), like radicals*

1. Students should be able to rewrite radicals with an integer radicand in its simplest form.
2. Students should be able to rewrite radicals with a variable radicand, raised to a power, in its simplest form.

### **N.RN.3 Explain why the sum or product of rational numbers is rational; why the sum of a rational number and an irrational number is irrational; and why the product of a nonzero rational number and an irrational number is irrational.**

3. Students should be able to determine whether a number is rational or irrational.
4. Students should understand that the sum or product of rational numbers is always rational.
5. Students should understand that the sum of a rational number and an irrational number is irrational
6. Students should understand that the product of a nonzero rational number and an irrational number is irrational.

### **A.APR.1 Add, subtract, and multiply polynomials.**

*Pre-Req Skills: Combining like terms, Vocabulary-coefficient, term, variable, exponent, Distributive Property*

7. Students should be able to add polynomials.
8. Students should be able to subtract polynomials.
9. Students should be able to multiply polynomials.