

College Algebra Sem 1 Learning Targets

- ① basic Inequalities notations
- ② Exponent properties
- ③ Evaluate (plug n chug) expressions
- ④ Scientific notation
- ⑤ Rational exponents (fraction exponents) Card
- ⑥ Radical's properties (Rationalize denom)
- ⑦ Polynomial operations
- ⑧ factor polynomials
- ⑨ Simplify rational expressions
- ⑩ Rational expressions $\times \div$
- ⑪ Solve Equations in 1 Variable
- ⑫ Solve Quadratics (all tools)
- ⑬ Complex # operations
- ⑭ Solving exponential Equations w/ Rational Exp
- ⑮ functions VLT or for everyone input/output
- ⑯ logs all properties and solving
- ⑰ function notation operations & Composites $f \circ g(x)$
- ⑱ (h, k) with all graphs and reflections
- ⑲ parabolas in Standard form & Vertex form
- ⑳ End behavior using leading Coeff. test
- ㉑ Synthetic division
- ㉒ Solving equations using logs or this & that
- ㉓ Compound Continuously Interest (Story prob)
- ㉔ exponential growth or decay (Story prob)
- ㉕ $A_n = A_0 e^{kt}$ Story Problem (log story prob)
- ㉖ Solving System. 3 variables (Story prob)
- ㉗ finding all roots of polynomial
- ㉘ Solving Radical equations
- ㉙ Graphing all functions (h, k)
- ㉚ Graphing rational equations: 6 steps
- ㉛ Graphing Systems of equation
- ㉜ Graphing logs