UNIT 1- LESSON PLANS

Class	Algebra 2	**Topic**	U1 - Properties of Real Numbers	**Lesson**	1	**Of**	6

Objective	Students will: • Understand that real Numbers have properties that determine how we can manipulate when solving equations. • Identify and apply the following properties of operations with real numbers: a.) commutative and associative properties of addition. b.) the distributive property. c.) the additive and multiplicative inverse property. d.) the additive and multiplicative inverse properties. e.) the multiplicative property of zero.
"I Can" Statement	• I can identify various properties of real numbers.

Common Core Standards	CCSS.Math.Content.6.EE.A.3 Apply the properties of operations to generate equivalent expressions. *For example, apply the distributive property to the expression 3 (2 + x) to produce the equivalent expression 6 + 3x; apply the distributive property to the expression 24x + 18y to produce the equivalent expression 6 (4x + 3y); apply properties of operations to y + y + y to produce the equivalent expression 3y*. CCSS.Math.Content.HSN.RN.B.3 *Explain why the sum or product of two rational numbers is rational; that the sum of a rational number and an irrational number is irrational; and that the product of a nonzero rational number and an irrational number is irrational.*

Bell Work	Solve a quick quiz to refresh the concept of rational and irrational numbers.

Procedures	1. Start and lead student discussion related to the bell work. 2. Distribute the Guided Notes

	3. Present lesson or play a video lesson. 4. Distribute Lesson Assignment. 5. Have students check each other's work.

Assessment	Assignment 1-1 What is the difference between rational numbers and real numbers? How to identify real numbers properties?

Additional Resources	See Online Activities