Algebra I Honors Unit 12: Radicals and Geometry

Essential	 Understanding radicals and geometry is an important skill of future
Understandings	success in mathematics. Radical functions will focus on square root
	 How do you evaluate radicals (square roots, cube roots, etc.)?
Fssential	 How do you simplify radicals?
Questions	 How do you and subtract multiply and divide radicals?
Questions	 How do you add, subilact, multiply, and underadicals: How do you colve radical equations?
	 How do you use the Dythagerean Theorem?
	 How do you use the distance formula?
	 How do you use the midpoint formula?
	 How do you use the midpoint formula? How do you graph aguara root radical function?
	 How do you graph square root radical function? How do you colve equare root radical function?
	How do you solve square fool fadical function?
Essential Knowledge	 Square roots can be simplified. Dedicels can be added subtracted multiplied and divided
Losential Knowledge	 Radicals can be added, subtracted, multiplied, and divided. Dedical equations can be adved
	 Radical equalions can be solved. Square rest region function can be graphed.
	Square root radical function can be graphed. Terme:
Vocabulary	Padicals, radical equations, Puthagerean Theorem, hypotenuse
Vocabulary	logs of a right triangle, distance formula, midpoint, midpoint formula
	 Extraneous solutions, square root functions, radical functions
	 Extraheods solutions, square root functions, radical functions Evaluate square roots
Essential	Simplify radicals
Skills	 Add subtract multiply and divide radicals
	 Solve radical equations
	 Use the Pythagorean Theorem
	 Use the distance formula
	 Use the midpoint formula
	 Graph and interpret square root radical functions using technology
Related	A Real Numbers 1abcd
Maine Learning	C. Geometric Figures 1bcd
Results	
Sample	 Students will orally respond to guestions.
Lessons	 Students will utilize worksheets and in their notes to demonstrate
And	individual understanding of the concepts.
Activities	
Sample	 Quizzes, take-home worksheets, and tests.
Classroom	
Assessment	
Methods	
	<u>Publications:</u>
Sample	 Algebra 1 Textbook (Larson)
Resources	Other:
Teebreder	• Graphing calculators.
recnnology	nttp://www.brunswick.k12.me.us/curriculum
Link	