Algebra I Notes Section 2.1 Find Square Roots and Compare Real Numbers
 Big Ideas Students will know that all positive numbers have a positive and negative square root. Students will know that square roots of positive integers or rational numbers that are not perfect square are irrational numbers that can be approximated by nonrepeating decimals. Students will be able to evaluate square roots, compare real numbers by graphing on a number line and approximate square roots of irrational numbers.
Square Root:
Radicand:
EXAMPLE 1 Evaluate the expression.
a) ±√36
b) √ 49
c) -√ 4
Perfect Square: a number that has a perfect ✓ Perfect Squares:

EXAMPLE 2	inches	o of a folding ta squared. Appl p to the neare	oximate the			
Irrational Nur	nber: _ -					
Real Number:						_
Integers:						
Whole Numbe	rs:					_
EXAMPLE 3	numbe	ether each of 1 r, a rational nu ; or a whole nu	mber, an irra			
	Real	Rational #	Irrational	Integer	Whole	
√24						
√100						
-√81						

EXAMPLE 4	Order the numbers from least to greatest.						
	4/3	-√5	√13	-2.5	√9		
-							
-							
<u>Conditional St</u>	atement:						
EXAMPLE 5	Then te		he statemen	tatement in i it is True or F			
EXAMPLE 5 a) Given:	Then te false, gi	ll whether t ive a counte	he statemen	t is True or F			
	Then te false, gi No frac	ll whether t ive a counte tions are ir	he statemen rexample. rational num	t is True or F	alse. If it is		
a) Given:	Then te false, gi No frac	ll whether t ive a counte tions are ir	he statemen rexample. rational num	it is True or F Ibers.	alse. If it is		
a) Given:	Then te false, gi No frac I Stateme	Il whether to ive a counter tions are in ent:	he statemen rexample. rational num	it is True or F Ibers.	alse. If it is		