

## Chapter 6 - Exponents & Exponential Functions

Monday	Tuesday	Wednesday	Thursday	Friday
29 6-1a Integer Exponents Intro	30 6-1b Properties of Exponents	31 6-2a Square Roots & Radicals	1 Review/Activity/Project	2 QUIZ
5 6-2b Rational Exponents	6 6-2c Multiplying and Reducing Radicals	7 6-2d Solving Equations Using Square Roots	8 Review/Activity/Project	9 QUIZ
12 6-3a Geometric Sequences Explicit Rule	13 6-3b Geometric Sequences Recursive Rule	14 QUIZ	15 NO SCHOOL	16 NO SCHOOL
19 NO SCHOOL PRESIDENT'S DAY	20 6-4a Exponential Functions (Graphing)	21 6-4b Transforming Exponential Functions	22 6-5 Exponential Growth & Decay	23 QUIZ
26 6-6 Comparing Functions (Linear and Exponential)	27 COMMON TEST DAY No School for Freshman	28 Review	1 PRACTICE TEST	2 CHAPTER 6 TEST EXPONENTS

### 6-1 Integer Exponents

Evaluate expressions containing zero and integer exponents.  
Simplify expressions containing zero and integer exponents.

### 6-2 Rational Exponents

Evaluate and simplify expressions containing rational exponents.

### 6-3 Geometric Sequences

Recognize and extend geometric sequences.  
Find the  $n$ th term of a geometric sequence.

### 6-4 Exponential Functions

Evaluate exponential functions.  
Identify and graph exponential functions.

### 6-5 Exponential Growth & Decay

Solve problems involving exponential growth and decay.

### 6-6 Comparing Functions

Compare functions in different representations (linear and exponential).  
Estimate and compare rates of change.

### VOCABULARY

Radical Expression  
Geometric Sequence  
Common Ratio  
Exponential Growth  
Exponential Decay