

# UNIT 6 SCHEDULE: Scientific Notation and Roots

You may correct missed problems on PNY's on a SEPARATE piece of paper and come re-grade by TEST DAY to get half points back.

Date Assigned	Lesson	Daily Objective	HW	HW Due Date	HW Score	HW
(B) Wed. Jan. 4 (A) Thurs Jan 5	6-1	Intro to Scientific Notation	6-1 HW	(B) Fri. Jan 6 (A) Mon. Jan 9	_____/_____ _____%=____	
(B) Fri. Jan 6 (A) Mon. Jan 9	6-2	Add & Subtract in Scientific Notation	6-2 HW	(B) Tues. Jan 10 (A) Wed. Jan 11	_____/_____ _____%=____	
(B) Tues. Jan 10 (A) Wed. Jan 11	6-3	Multiply & Divide in Scientific Notation	6-3 HW	(B) Thurs. Jan 12 (A) Fri. Jan 13	_____/_____ _____%=____	
(B) Thurs Jan 12 (A) Fri. Jan 13	6-4	Scientific Notation with Context	6-4 HW	(B) Tues. Jan 17 (A) Wed. Jan 18	_____/_____ _____%=____	
(B) Tues. Jan 17 (A) Wed. Jan 18	6-5	Roots	6-5 HW	(B) Thurs. Jan 19 (A) Fri. Jan 20	_____/_____ _____%=____	
(B) Thurs Jan 19 (A) Fri. Jan 20	6-6	Estimate Roots & Comparing Real Numbers	6-6 HW	(B) Mon. Jan 23 (A) Tues. Jan 24	_____/_____ _____%=____	
(B) Mon. Jan 23 (A) Tues. Jan 24	6-7	Simplifying Roots	6-7 HW	(B) Wed. Jan 25 (A) Thurs Jan 26	_____/_____ _____%=____	
(B) Wed. Jan 25 (A) Thurs Jan 26	6-8	Operations with Radicals (all 4 Operations)	6-8 HW	(B) Fri. Jan 27 (A) Mon. Jan 30	_____/_____ _____%=____	
(B) Fri. Jan 27 (A) Mon. Jan 30	6-9	Operations with Radicals DAY 2	6-9 HW	(B) Tues. Jan 31 (A) Wed. Feb 1	_____/_____ _____%=____	
(B) Tues. Jan 31 (A) Wed. Feb 1	U6 Review	Review Day	U6 Review Sheet	(B) Thurs. Feb 2 (A) Fri. Feb 3	_____/_____ _____%=____	
(B) Thurs. Feb 2 (A) Fri. Feb 3	U6 Test	Test Day	None ☺			

- Any LATE/ABSENT work MUST be graded before it is turned in.
- Any work turned in AFTER the Unit Test will receive HALF CREDIT.
- Turn in any LATE/ABSENT work by TEST DAY to receive highest credit.
- Visit my website - [misspyper.weebly.com](http://misspyper.weebly.com). The password is **lehijrmath**

## Unit 6 Quizzes & Test

Date Given	Lesson #	Daily Objective	Original Score	Need to Retake?	Passed Quiz?
(B) Tues. Jan 17 (A) Wed. Jan 18	6-1,2,3	Operations with Scientific Notation			
(B) Wed. Jan 25 (A) Mon. Jan 30		<b>TIMED QUIZ</b>			
	<b>ALL</b>	<b>UNIT 6 TEST</b>			

**Quiz Practice Questions:** (ANSWERS will be posted on my website. Accessible by clicking on the Unit 6 SCHEDULE.)

### Quiz 6-1,2,3: Operations with Scientific Notation

Simplify, write your answers in scientific notation.

1) 0.0000000019433      2) 658,010,000,000

$1.9433 \times 10^{-9}$

$6.5801 \times 10^{11}$

3)  $(4 \times 10^{-57}) + (9 \times 10^{-56})$

~~9.4 \times 10^{-56}~~  $9.4 \times 10^{-56}$

4)  $(3 \times 10^{15}) - (8 \times 10^{14})$

$2.2 \times 10^{15}$

5)  $(4 \times 10^5)(9 \times 10^9)$

$3.6 \times 10^{15}$

8)  $(3 \times 10^{-6})(7 \times 10^{13})$

$2.1 \times 10^8$

9)  $\frac{2.0996 \times 10^{10}}{3.62 \times 10^2}$

$5.8 \times 10^7$

10)  $\frac{9.4 \times 10^6}{2.35 \times 10^{14}}$

$4 \times 10^{-8}$

### Time-Quiz on Perfect Squares & Square Roots

Complete the following in 1 1/2 minutes getting every answer correct.

1.  $4^2 = \underline{16}$

8.  $12^2 = \underline{144}$

15.  $19^2 = \underline{361}$

2.  $6^2 = \underline{36}$

9.  $5^2 = \underline{25}$

16.  $\sqrt{49} = \underline{7}$

3.  $\sqrt{324} = \underline{18}$

10.  $\sqrt{169} = \underline{13}$

17.  $\sqrt{400} = \underline{20}$

4.  $11^2 = \underline{121}$

11.  $15^2 = \underline{225}$

18.  $10^2 = \underline{100}$

5.  $16^2 = \underline{256}$

12.  $14^2 = \underline{196}$

19.  $2^2 = \underline{4}$

6.  $\sqrt{1} = \underline{1}$

13.  $\sqrt{81} = \underline{9}$

20.  $\sqrt{289} = \underline{17}$

7.  $\sqrt{64} = \underline{8}$

14.  $\sqrt{9} = \underline{3}$