Name _____

Date _____ Pd_____

SCIENTIFIC NOTATION

Three students practiced converting values into scientific notation as shown. In 1-3, describe the mistake each student made and correct their work.

ISLA	LENNY	JAMIE
12,560,000	0.0000383	7,770,000,000
↓	↓	↓
12.56×10^6	3.83×10^5	7.77×10^7

1. Describe Isla's mistake:	2. Describe Lenny's mistake:	3. Describe Jamie's mistake:
Correct Isla's work:	Correct Lenny's work:	Correct Jamie's work:

In 4-6, convert each scientific notation value into standard notation.

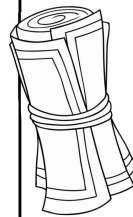| 4. 5.5×10^{-8}	5. 1.625×10^7	6. 3×10^{-4}
_____	_____	_____

7. Gabi is converting 0.000098 into scientific notation as shown below. Which correctly represents the missing power of 10?

$$9.8 \times 10^?$$

a. 5

b. -5

c. 6

d. -6

8. Asher is involved in a competition where the grand prize is $150,000 dollars. Represent the amount of the grand prize in scientific notation.

_____

9. Mrs. Ferreria asked her students to write a number in scientific notation that is greater than 500 but less than 5,000. Circle the name of any student who correctly completed the task.

JUSTICE	BLAIRE	DENZEL	PIPER
5.25×10^3	6.1×10^3	5.78×10^2	3.5×10^3