

Name \_\_\_\_\_

### Chapter 1 Vocabulary Check

Use the choices below to fill in each blank. Some choices may be used more than once and some used not at all.

Exponent	Base	$\frac{-a}{-b}$	$\frac{a}{b}$
Square Root	0		
Undefined	1	$\frac{-a}{b}$	$\frac{a}{-b}$
Reciprocal	9		

1)  $0 * a =$  \_\_\_\_\_

2)  $\frac{0}{4}$  simplifies to \_\_\_\_\_ while  $\frac{4}{0}$  is \_\_\_\_\_

3) The \_\_\_\_\_ of the nonzero number  $b$  is  $\frac{1}{b}$

4) The fraction  $-\frac{a}{b} =$  \_\_\_\_\_ = \_\_\_\_\_

5) A(n) \_\_\_\_\_ is a shorthand notation for repeated multiplication of the same number

6) In  $(-5)^2$ , the 2 is the \_\_\_\_\_ and the -5 is the \_\_\_\_\_

7) The opposite of squaring a number is taking the \_\_\_\_\_ of a number.

8) Using order of operations,  $9 \div 3 * 3 =$  \_\_\_\_\_