

Name
8/17/16 or
8/18/16
Alg I

Evaluate Expressions

I can
evaluate algebraic
expressions
and use
exponents

Base: Big Number

Exponent: Little Number

$$\begin{array}{c} \text{base} \quad \text{exponent} \\ 3^4 = 3 \times 3 \times 3 \times 3 \end{array}$$

Ch. 1 Quiz
9/1 or 9/2

Example 3:

6) $9^5 \rightarrow$ Nine to the fifth power
 $9 \times 9 \times 9 \times 9 \times 9$

Area: $a = s^2$
 $s = s$

7) $2^8 \rightarrow$ Two to the eighth power
 $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$

Volume: $v = s^3$
 $s = s = s$

8) $n^4 \rightarrow$ n to the fourth power
 $n \times n \times n \times n$

Example 4:

9) $x^3 = 8^3 = 8 \times 8 \times 8 = \boxed{512}$

* Complete Skills

10) $k^2 = 2.5^2 = 2.5 \times 2.5 = \boxed{6.25}$

Practice pages,
#3, 10, 12, 30,
38

11) $d^4 = \left(\frac{1}{3}\right)^4 = \frac{1^4}{3^4} = \frac{1 \times 1 \times 1 \times 1}{3 \times 3 \times 3 \times 3} = \boxed{\frac{1}{81}}$

Example 5:

12) $A = s^2$

$A = 14^2 = 14 \times 14 = \boxed{196 \text{ in}^2}$