

Worksheet 1-2 (EE.2)

Write each expression using exponents. (Examples 1 and 2)

1. $(-5)(-5)(-5)(-5) =$ _____

2. $3 \cdot 3 \cdot 5 \cdot q \cdot q \cdot q =$ _____

3. $m \cdot m \cdot m \cdot m \cdot m =$ _____

Evaluate each expression. (Example 3)

4. $(-9)^4 =$ _____

5. $\left(\frac{1}{3}\right)^4 =$ _____

6. $\left(\frac{5}{7}\right)^3 =$ _____

7. The table shows the average weights of some endangered mammals.

What is the weight of each animal? (Example 4)

Animal	Weight (lb)
Black bear	$2 \cdot 5^2 \cdot 7$
Key deer	$3 \cdot 5^2$
Panther	$2^3 \cdot 3 \cdot 5$

Black Bear: _____

Key Deer: _____

Panther: _____

Evaluate each expression if $x = 2$ and $y = 10$. (Examples 5 and 6)

8. $x^2 + y^4 =$ _____

9. $(x^2 + y)^3 =$ _____

10. $c^2 + d^3$, if $c = 8$ and $d = -3$ _____

12. $(r - s)^3 + r^2$ if $r = -3$ and $s = -4$ _____

Scavenger Hunt (in class)

Poster 1 picture here _____

Poster 2 picture here _____

Poster 3 picture here _____

Poster 4 picture here _____

Poster 5 picture here _____

Poster 6 picture here _____

Poster 7 picture here _____

Poster 8 picture here _____

Poster 9 picture here _____

Poster 10 picture here _____

Poster 11 picture here _____

Poster 12 picture here _____

Poster 13 picture here _____

Poster 14 picture here _____

Poster 15 picture here _____