

Name: _____

Date: _____

Extra Practice (4.2)

Write each expression using exponents.

1) $11 \cdot 11 \cdot 11$

2) $a \cdot a \cdot a \cdot a$

3) $(-y)(-y)(-y)(-y)(-y)$

4) $a \cdot a \cdot b \cdot b \cdot b \cdot b \cdot b \cdot b \cdot c$

5) $(e \cdot e)(e \cdot e)(e \cdot e)$

Evaluate each expression if $a = 3$, $b = -2$, and $c = 4$.

6) c^0

7) b^a

8) a^2

9) 9^a

10) $c^2 \cdot 2^2$

11) $c^2 - a^2$

12) $b^2 + c^3$

13) $(b - c)^2$

14) $b^2 c^3$

15) $a^2 + b^2 + c^2$