

Name _____

Order of Operations with Exponents

Evaluate expressions by first simplifying the operations inside the parentheses, then apply the exponent to the result.

1) $(3 + 2)^3$

125

3) $(4 + 1 + 3)^2$

64

5) $(3 \times 3)^3$

729

7) $(5 + 2 + 3)^2$

100

9) $(10 - 4 + 2)^2$

64

11) $(6 + 1 - 2)^2$

25

13) $(5 - 1 + 6)^2$

100

15) $(9 - 5 + 1)^2$

25

2) $(6 - 2)^2$

16

4) $(5 \times 2)^3$

1000

6) $(7 + 1)^2$

64

8) $(4 \times 2 - 2)^3$

216

10) $(1 + 2 \times 3)^3$

343

12) $(4 + 4 \times 2)^3$

1728

14) $(2^2 + 3)^3$

343

16) $(3 + 4 - 2)^3$

125