



Using Order of Operations with Expressions with Exponents

- Simplify or evaluate each exponential expression using the order of operations. The answers are mixed up at the bottom of the page. Cross out the answers as you complete the problems.

1 $(6 + 3)^4$

2 $6 + 3^4$

3 $2(4^3) - 1$

4 $2(4^3 - 1)$

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

6 $5 + 9(1) + 2^2$

7 $(18 - 4)^2$

8 $18 - 4^2$

9 $9 + 2(3^2)$

10 $(9 + 2)3^2$

11 $12 + x^4 - 6$ when $x = 8$

12 $m^3 + 9n$ when $m = 4$
and $n = 5$

Answers

27

196

2

18

126

99

127

86

109

4,102

87

6,561