

Name _____

Order of Operations with Exponents

Evaluate the multiple exponents inside the parentheses
simplify the expression and multiply the result.

$$1) 6 \times (5^2 - 2^2)$$

126

$$3) 5 \times (3^2 + 1^2)$$

50

$$5) 10 \times (6^2 - 2^2)$$

320

$$7) 7 \times (3^2 - 1^2)$$

56

$$9) 5 \times (4^2 + 1^2)$$

85

$$11) 6 \times (5^2 - 2^2)$$

19

$$13) 5 \times (10^2 - 8^2)$$

180

$$15) 5 \times (2^2 + 4^2)$$

100

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

52

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

144

$$6) 9 \times (4^2 - 1^2)$$

135

$$8) 6 \times (4^2 + 2^2)$$

120

$$10) 5 \times (6^2 + 3^2)$$

225

$$12) 4 \times (6^2 - 2^2)$$

128

$$14) 8 \times (5^2 - 3^2)$$

128

$$16) 12 \times (7^2 - 4^2)$$

396