
Exponent Laws 3

Order of Operations

B - rackets (parenthesis)

E - xponents

D - ivision

M - ultiplication

A - ddition

S - ubtraction

$$-5(4)^2$$

Example 1

Evaluate each of the following:

a) $5(3)^2$

b) $-2(6)^3$

c) -9^2

Example 2

Evaluate each of the following:

a) $3^2 - 8 \div 2^3 + (-4^2)$

b) $-2(-15 - 3^2) + 4(2 + 3)^3$

Example 3

Rewrite as a single power and then evaluate.

$$\frac{2^2 \cdot (2^2)^4}{(2^3)^2}$$



Complete the following:

Practice - Exponents 3

Check your solutions using the key provided.