

Algebra Review

Intermediate Order of Operations Problems

Overview

- Review of Order of Operations
- Examples

Review of Order of Operations

Order of Operations

When simplifying mathematical expressions perform the operations in the following order:

1. Parentheses and other Grouping Symbols
2. Exponents – Inside to Outside
3. Multiplication and Division – Left-to-right at the same time
4. Addition and Subtraction – Left-to-right at the same time

Examples

Example

Simplify.

$$3(1 + 9 \cdot 6) - 4^2$$

Example

Simplify.

$$2\left[1+3(10-2)\right]$$