

Lesson 1.2: Algebraic Expressions and Models

<u>Expression</u>	<u>Equation</u>

Order of Operations

P
E
M D
A S

2^5

Like Terms

Terms must contain the _____ variable to the _____ power

<u>Simplify</u>	<u>Evaluate</u>

$$-3x^2 - 5x + 3x + 7$$

Examples:

1. Evaluate the power.

a. $(-3)^4 =$

b. $-3^4 =$

2. Evaluate: $-4 + 2(-2 + 5)^2 =$

3. Simplify the expression.

a. $7x + 4x$

b. $3x^2 + x - x^2$

c. $2(x + 1) - 3(x - 4)$

4. Evaluate $-3x^2 - 5x + 7$ when $x = -2$.