

Concept Check:

1)  $-|3 - 4(2)|$

2)  $|2 - 9| - 2|-3|$

3) What's the difference?

$$-1^2 \quad \text{vs} \quad (-1)^2$$

$$-1^3 \quad \text{vs} \quad (-1)^3$$

## 1-2: Simplifying Expressions

OBJECTIVE: Simplify and Evaluate Expressions

Equation

Inequality

Equation

Expression

Variable

Value

Numerical Expression

Algebraic Expression

## Order of Operations:

P

E

M

D

A

S

Simplify:

a)  $2 \cdot 5 - 6 \div 3$

b)  $2[4 + (2^3 - 1)]$

c)  $5^2 - \frac{1 + 5}{2}$

Evaluate = \_\_\_\_\_  
\_\_\_\_\_

Ex. Evaluate the expression if  $x = 4$  and  $y = 3$ 

a)  $\frac{3x}{x^2 - 8}$

b)  $x^2y - xy^2$

## Homework:

p.10 #3, 5,7,9,15,17,19, pg 24# 17, 21, 35, 39 pg 30#7, 13 pg 35# 5,7