- 1. Write each product using exponent
 - a. 4×4×4
 - b. 0.4×0.4×0.4×0.4

 (0.4)

 (1.4)

 (2.4)

 (3.4)

 (4.4)
- 2. Write 5^3 as a product of the same factor, then find its value

PEMDAS

3. Find the value of each expression

a.
$$5 - 4 \times (12 - 13)$$

5-4(-1) ni 5+4~

b.
$$40 \div 2^3 \times 3^2$$

4. Evaluate each expression if a=2 and b=3

a. 2a • 7b

$$= 2(2) \cdot 7(3)$$

$$= 2(2) \cdot 7(3)$$

$$= 84$$

$$(2)(3) = 6$$

$$(2)(3) = 6$$

$$= 4 \cdot 4 = 36$$

$$c. a^{2} \cdot b^{2}$$

$$= 36$$

- 5. Define a variable. Then write each phrase as an algebraic expression
 - a. four less cookies than are in the jar



b. 3 times the minutes spent exercising



j = number

m = minures spint execcising.