

4.1 Exponents

Example 1

$$5 \bullet 5 \bullet 5$$

$$m \bullet m \bullet m \bullet m \bullet m \bullet m$$

$$-3 \bullet a \bullet b \bullet 5 \bullet b \bullet a \bullet b$$

$$-4 \bullet -4 \bullet -4$$

Evaluating

Evaluate x^3 if $x = -2$

CAREFUL with Parenthesis!!!

$$(-4)^2 \qquad -4^2$$

CAREFUL with Parenthesis!!!

$$(4m)^3 \quad 4m^3$$

Application



Do you understand?

1) -3^4

2) $(-3)^4$

3) $6^3 \div [5^2 - 3^2 - (-2)^2] =$

4) Evaluate $(3r + 2s)^2$ if $r = 2$ and $s = -4$