Section 1.4: Evaluating Expressions

Friday, September 27, 2013

order of operations:

in terms of order of operations, the following nose: have the same order as brackets:

example: which operation do I do first?

$$\frac{2+3}{8+7} = \frac{5}{15} = \frac{1}{3}$$

addition

examples:

$$\sqrt{(2+3)} S = \sqrt{5.5} = 5$$

exponential expressions:

$$a^n = a \cdot a \cdot a \cdot \dots a$$

where a = base n = exponent

examples: 
$$3^4 = 16$$
  
 $-3^4 = -(3^4) = -16$   
 $(-3)^4 = (-2)(-2)(-2) = 16$ 

nole: 
$$-2^4 = 0 - 2^4 = -16$$

easier to see