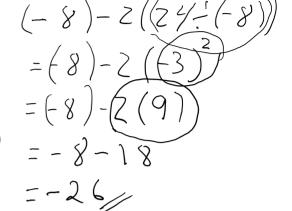
## 3.6 order of operations with rational numbers

Tuesday, September 29, 2015 9:23 AM

## 3.6 ORDER OF OPERATIONS WITH RATIONAL NUMBERS NOTES

Warm up: Look at the problem at the top of pg 137 and answer the guestions.

Stedent#1: did subtraction (-8)-2(24:1-8 as the first step (mrong) 5tudent#2: multiplied(2)(-3) = -8-18 before dai: 11: before doing the exponent.



What is the key word for order of operations?

BEDMAS B: brackets

E: exponents

DM: division/ AS! addition/ multiplication subtraction

## **Examples**

1) Evaluate 
$$(-3.2) - 0.9 \div [0.7 - (-1.2)]^2$$

$$= (-3.2) - 0.9 \div (1.9)^2$$

$$= (-3.2) - 0.9 \div 3.6$$

$$= (-3.2) - 0.25$$

$$= -3.45$$

2) Simplify 
$$3(-2+6)-5(4-1)$$
 YOU TRY
$$3(4)-5(3)=$$

$$(2-15=$$

$$-3$$

## MATH 9

Name

3.6 ORDER OF OPERATIONS WITH RATIONAL NUMBERS NOTES

3) 
$$\frac{4}{5} \left[ \frac{3}{8} + \frac{7}{-4} \right] \times \frac{2}{2}$$
  $\frac{7}{-9} = \frac{-7}{4} = -\frac{7}{4}$   $\frac{7}{8} = -\frac{7}{4} = -\frac{7}{4}$   $\frac{7}{5} \left[ \frac{3}{8} + \frac{14}{8} \right]$   $\frac{7}{5} \left[ \frac{3}{8} + \frac{14}{8} \right]$   $\frac{1}{5} \left[ \frac{3}{8} + \frac{14}{8} \right]$   $\frac{1}{8$ 

Assignment:

on cart 3. (workshet CH3 TEST TUES. P. 140 # 3,4,8,10