1-4: Sums and Differences

OBJECTIVE: To add and subtract real numbers

Subtract means to ADD THE OPPOSITE

So...What is the difference?

3 + (-7)   3 - 7

Distributive Prop: a(b-c) =

*Distributing a Negative Sign

a) -(2+3 - 9) - [-4 - (10 - 3)]

b) 3 - [9 -2(-2)] - (6 - 13 - 2)

1-5: Products

OBJECTIVE: To multiply real numbers

Multiplicative Property of ZERO

Multiplicative Property of -1

1-6: Quotients

OBJECTIVE: To divide all real numbers

Dividing is multiplying by the <u>reciprocal</u>:

PRACTICE:

a) $-\frac{1}{3}(6ab - 3x + 12)$

b) $(-\frac{1}{2})(-\frac{4}{9})(\frac{3}{5})(\frac{10}{14})(-\frac{21}{4})$

c) $\dfrac{18}{(-6)}$

d) $\dfrac{4}{\frac{1}{2}}$

e) $\dfrac{(-3)(-4)(-2)}{(-6)(-2)}$

f) $\dfrac{(-12)(-\frac{3}{4}-\frac{1}{2})}{\frac{5}{9} \div (-10)}$

g) $\dfrac{24 - 6t^2}{2}$

h) $\dfrac{-15r^3 - 5r - 5}{-5}$

Homework
pg 10 # 33, 39, 43   p. 24 #27, 33, 43, 47, 51, 55
p. 30 #7, 13, 23, 27, 33, 35   p. 35#17, 27, 31, 35
QUIZ Day 1 NEXT WEEK!