From yesterday:

$$A = 3, B = 6, \text{ and } C = -2$$

$$11. \ \frac{B+9C}{A}$$

$$\frac{(6)+9(-2)}{(3)}$$

$$\frac{(6)+9(-2)}{(3)} \frac{6+-18}{3} = \frac{-12}{3} = \frac{-14}{3}$$

$$A = 3, B = 6, \text{ and } C = -2$$

13.
$$2A^2 - C^2$$

$$A = 3, B = 6, \text{ and } C = -2$$

12.
$$-C - B$$

$$-(-2)-6=$$

$$\begin{bmatrix} -4 \end{bmatrix}$$

What is the difference between these two?

$$(-2)^2$$

$$-2^{2}$$

This tells you to square negative 2.

This tells you to square 2 then take the opposite.

Addition Rules:

Same Sign

Different Sign

- Keep the sign
- Keep sign of bigger #
- Find their sum
- Find their difference

Subtracting Numbers:

Subtracting is the same as

adding the opposite.

Therefore, every subtraction problem can be turned into an addition problem to be simplified using the addition rules.

Identity Property of Addition:

Inverse Property of Addition:

The additive inverse of any number is its OPPOSITE

The sum of any number and its opposite is always ZERO

$$a + 0 = a$$

b + -b = 0

There are similar properties for multiplication:

Identity Property of Mult:

(b)(1)=b

Inverse Property of Mult:

$$b \cdot \frac{1}{b} = 1$$

(reciprocal)

Find each: Use a small white board

$$-8 - 3 = -11$$
 $-14 + 6 = -8$ $-6 + -3 = -1$

6+-11 = -5