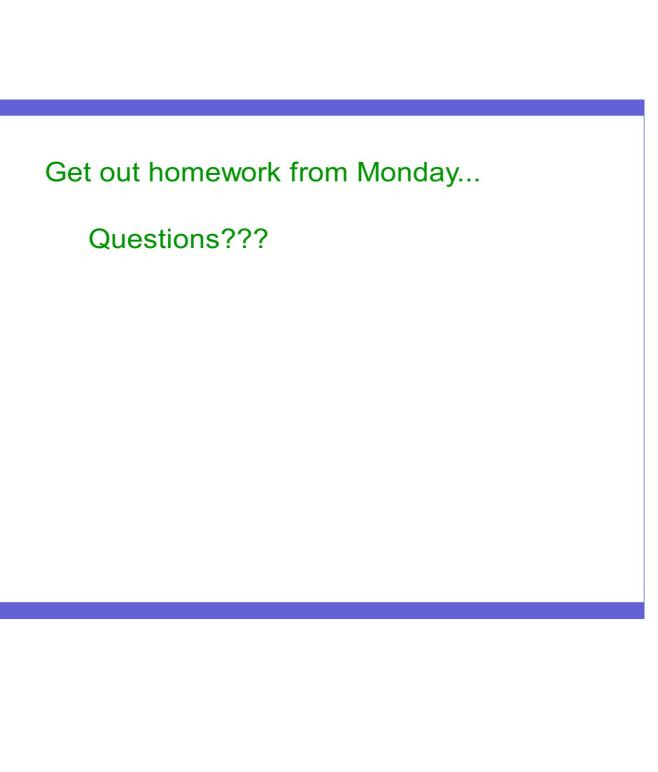
September 13, 2011

Warm-up:

Subtract.

6.
$$65 - 52 - 11$$





9/13 - Subtracting Integers, Evaluating

Review--

Examples:
$$-3+(4(0)-7)$$

 $-3+4=-7$
 $(0+(48)=18$
 $+15=-11$

What if you are adding/subtracting 3 or more numbers?

$$\frac{8+12-(-6)}{=-4+(-6)} = \frac{9+(+4)+1}{=(3+1)}$$
= (2)

Subtract:

$$-14 + 6 - (-2)$$
= -20 + (+2)
= (8)

$$= (-3 + (+3) - (-3))$$

$$= (-3)$$

What does "evaluate" mean, in mathematical terms?

Discuss it with your partner

Replace Variables with the numbers the oqual then simplify Evaluate the expression when r = -5, s = 2, and t = -1.

$$\begin{array}{c} r - t \\ = -5 + (+1) \\ = -1 + 2 + (+5) \\ = 6 \end{array} \begin{array}{c} + |s - r| \\ = |2 + (+5)| \\ = 7 \\ = 7 \end{array}$$

$$\begin{array}{c} + |s - r| \\ = |2 + (+5)| \\ = 7 \\ + |s - r| \\ = 7 \\ = 7 \\ + |s - r| \\ = 7 \\ + |s - r|$$

The table shows the highest and lowest elevations for two cities.

City	Highest elevation (feet)	Lowest elevation (feet)
Long Beach, CA	360	-7
New Orleans, LA	25	-8

- Find the range of elevations for Long Beach.
- b. Find the range of elevations for New Orleans.
- c. One of the cities has an average elevation of about 2 feet below sea level. Which city is it?

Discuss answers with your partner.

a) 360+(+7) = (367)

= (33)

Homework.

Worksheet 1.3 Practice B

due Wednesday