Homework Set October 16 - 20th. **Name_____Block____**

Remember to show ALL work to receive credit!

Monday

Explain the rule for multiplying and dividing integers, then solve each problem.

1. $-5 \cdot 4 \cdot -2 =$

2. $-10 \cdot (-3) \cdot -1$

3. $\frac{-24}{6}$

4. $\frac{-15}{-3}$

5. A computer stock lost 2 points each hour for 6 hours. Write a mathematical expression and find the total change in the stock after 6 hours.

Tuesday

1. Find the missing value:
   a. $5 + \_\_\_\_ - 7 = -3$ b. $\_\_\_\_\_ + (-3) - (-2) = -9$ c. $-6 + \_\_\_\_ (-1) = 2$

Solve.

2. $5 - 3 - (-2) =$

3. $(-7) - (-7) - 4 =$

4. $(-6)(-4)(-3)(-12)(0)(-2)(5) =$

5. An architectural drawing of a building shows the elevation of the basement floor to be 12 feet. The elevation of the roof is 32 feet. What is the total distance from the roof to the basement floor?

Wednesday

1. Solve the following integer problems.

a. -14 • -3 b. $\frac{150}{-5}$ c. |-7| • -10 d. $\frac{|-35|}{|-7|}$

2. Write 2 different combinations of chips that show each value. (Use black for + and red for -)

a. 9 b. -4

3. (-4) - (-8) - 2

4. Solve -8 - (-7) on a number line.

5. A birdwatcher on a cliff saw an eagle 10 meters above him. Earlier, he had spotted the eagle 10 meters below him. Which integer would represent the eagle's change in altitude (height)?

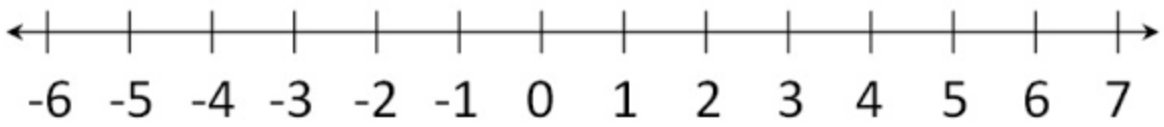
Thursday

1. Simplify: $\frac{-|-3+5|}{-9+(-(-1))}$

2. Use one of the models we have used for adding and subtracting integers (number line, chips) to ***illustrate*** the problem and then solve.

a. 5 + -8 b. -5 - (-3)

3. Label each arrow, and then write the resulting equation:



4. A skydiver falls at approximately 10 meters per second. Write a number sentence to express how many meters he will fall and 40 seconds.

5. 20 - (-11) + (-5) - 10 =