Math 9 *Name:*_____

3.5 – Order of Operations with Rational Numbers

Date: _____

The order of operations for all Rational Numbers is the same as that for Integers. They follow the rules of **BEDMAS**.

1. Evaluate the following:

a. $-0.8 + 1.2 \div (-0.4) \times 2.1$

b. $-4.5 - 2.7 \div [-1.1 + 0.8]^2$

c. $\frac{1}{2} \times \left(-\frac{3}{2}\right) - \frac{5}{4} \div 1\frac{1}{2}$

d. $\left(-\frac{1}{2}\right)^2 - \left(-\frac{2}{3}\right) \div \left[\frac{1}{3} + \left(-\frac{3}{12}\right)\right]$

2. To convert temperatures in Fahrenheit to Celsius, we use the formula, $C = \frac{F - 32}{1.8}$. If the temperature is -4.9° F, what is the temperature in degrees Celsius?

Another look at adding/subtracting decimal numbers by hand…

a. $3.4 + 2.7$

b. $3.4 - 2.7$

c. $-3.4 - 2.7$

d. $-3.4 + 2.7$

e. $-2.6 + 4.8$

f. $-2.9 + 1.2$

g. $6.8 - 3.6$

h. $-10.8 - 2.5$