**3.6 – Order of Operations with Rational Numbers**

Recall the order of operations:

1. **B**rackets – complete innermost brackets first if there are several
2. **E**xponents
3. **D**ivision/**M**ultiplication –solve the furthest to the left first if there is more than one
4. **A**ddition/**S**ubtraction – solve the furthest to the left first if there is more than one

Ex 1: Evaluate.

1. $-0.8+1.2 ÷\left(-0.3\right)×1.5$ (b) $-3.2-0.9÷\left[0.7-\left(-1.2\right)\right]^{2}$

Ex. 2: To convert a temperature in Fahrenheit to Celsius, we use the formula: $C=\frac{\left(F-32\right)}{1.8}$. The lowest natural temperature ever directly recorded at ground level on Earth is −128.2 °F, which was in Antarctica, on July 21, 1983. What is this temperature in degrees Celsius?

Ex. 3: Evaluate $\left(-\frac{1}{2}\right)\left(-\frac{1}{2}\right)-\left(-\frac{2}{3}\right)÷\left[\frac{1}{3}+\left(-\frac{1}{4}\right)\right]$

Assignment: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_