**REVIEW 6: RATIONAL NUMBERS, LCM and GCF**

A **rational number** is any number that can be written as  where m and n are integers.

**Multiplying Rational Numbers:**

* To multiply any 2 rational numbers multiply the numerators together and the denominators together. Simplify if necessary. **Remember** an integer is still a rational number with a denominator of 1.

 Ex.  Ex. 

**Dividing Rational Numbers:**

* To divide any 2 rational numbers change the operation to multiplication can flipping **one** of the fractions. Multiply as above.

 Ex.  Ex. 

If there is a **variable** in the statement, the process is the same:

 Ex. Simplify:

 (a)  (b) 

(c)  (d) 

**Lowest Common Multiple (LCM):**

The lowest common multiple is the smallest value that all terms will multiple to.

 Ex. Find the LCM of 54 and 36

**Greatest Common Factor (GCF)**

The greatest common factor is the largest value that all terms are divisible by.

 Ex. Find the GCF of 9x3 and 15x4

**PRACTICE: Rational Operations Practice**

**REVIEW 7: USING YOUR GRAPHING CALCULATOR**

* With a partner, work through the assigned worksheets! (see me for help)