Name: _____ Date: _____

Learning Goal 3.4	I can simplify expressions with rational numbers using order of operations.

Recap Discuss in your groups what you think the most important thing to remember about each operation is

Adding Rational Numbers	**Subtracting Rational Numbers**
Multiplying Rational Numbers	**Dividing Rational Numbers**

Recall Order of Operations

Example Evaluate the following expressions

For **integer** rational numbers.

a. $(14-8)\times(10+2)+7$

b. $(7-2+5)\div 4\times 10+9$

For **decimal** rational numbers.

c. $\Big(\big((9.2+2.8)\div 4.8\big)\times 4.4\Big)\div(1.9\div 3.8)-3.4$

For **fractional** rational numbers.

d. $\left(-\frac{1}{2}\right)\left(-\frac{1}{2}\right)-\left(-\frac{2}{3}\right)\div\left[\frac{1}{3}+\left(-\frac{1}{4}\right)\right]$

e. $6\left(\frac{4}{3}\left(1+\frac{1}{7}\right)\right)\div 1\frac{3}{10}$