Chapter 2: Rational Numbers

*After the notes, complete Pg.74 in textbook #1-22*

**Definitions**

Rational Number:

Terminating Decimal:

Repeating Decimal:

Write the decimal as a fraction or mixed number

1. -0.7
2. -3.01

Evaluate

1. 2x + y when x = $\frac{1}{4}$ and y = $\frac{-3}{2}$
2. $\left|a+b\right|$ when a = $\frac{1}{2}$ and b = -$ \frac{5}{2}$
3. $\left|–x+y\right|$ when x = $\frac{3}{4}$ and y = - $\frac{1}{2}$
4. Find the distance between $-2\frac{2}{3} and 2\frac{1}{3}$ on the number line.

TRY:

1. $2\frac{1}{6}-\left(-\frac{8}{3}\right)+(-4\frac{7}{9})$ =
2. 6.59 + (-7.8) – (-2.41) =
3. $-\frac{12}{5}+\left|\frac{-13}{6}\right|+(-3\frac{2}{3})$ =
4. $-\frac{1}{7}∙[ \frac{4}{5}∙\left(-7\right)]$ =
5. -7.2 (0.1)(-100) =
6. $-10\frac{2}{7}÷(-4\frac{4}{11})$ =
7. $(-1\frac{2}{3})^{3}$ =

8.)

The hour hand of a clock moves -30 degrees every hour. How many degrees does it move in $2\frac{1}{5}$ hours?

1. How many 0.75-pound packages can you make with 6 pounds of sunflower seeds?
2. A parasail is at 200.6 feet above the water. After 5 minutes, the parasail is at 120.8 feet above the water. What is the change in height of the parasail?