**2.1 – 2.4, 2.6 Quiz**

**Study Guide**

**2.1: Real Numbers**

* **Order numbers from least to greatest:**

**Ex:**  **Ex:** 

$-\frac{1}{2}, 0, 0.5, 1, \frac{5}{2}$ $-0.25, -\frac{1}{5}, 0, \frac{3}{2}, 2$

* **Find opposites of numbers:**

**Ex:** Find: – *a* if *a* = – 7 **Ex:** Find: – *y* if *y* = 3.6

−*a* = 7 −*y* = −3.6

* **Find absolute value of numbers:**

**Ex**:  **Ex:  Ex: **

 1.3 −5 8

**Ex:  Ex:  Ex: **

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* **Classify numbers using “whole,” “integer,” and “rational”:**

**Classify each of the following numbers using all names that apply:**

**Ex:** – 5 **Ex:** 0.6 **Ex:** 175

Integer, Rational Rational Whole, Integer, Rational

**Ex:  Ex:  Ex:** 1463

Rational Rational Whole, Integer, Rational

 **(**because it’s a repeating decimal there

 is a way to write it as a fraction)

**2.2: Add Integers**

* **Add numbers with the same signs:**

**Ex:  Ex:  Ex: **

 −26 −55.7 $-\frac{11}{12}$

* **Add numbers with different signs:**

**Ex:  Ex:  Ex: **

 8 4.7 $-\frac{1}{5}$

**2.3: Subtract Integers**

* **Rewriting subtraction as adding a negative:**

**Ex:  Ex:  Ex: **

 −30 −21.4 $\frac{61}{36}=1\frac{25}{36}$

* **Subtract a negative number**

**Ex:  Ex:  Ex: **

 36 −3.4 −16

**2.4: Multiply Integers**

**Ex:  Ex:  Ex: **

 −180 48 45

**Ex:  Ex:  Ex: **

 276 $-\frac{4}{35}$ $\frac{2}{15}$

**2.6: Divide Integers**

**Ex:  Ex:  Ex:  Ex: **

 −6 16 5 $\frac{25}{16}=1\frac{9}{16}$