



## **Study Review Decimals**

**The following are concepts and skills that you will need to know to be successful on a chapter test. If you are unsure of any of these, use the One Page Reviews to jog your memory or go to the book, *Math, you can do it!***

### **Equivalences**

#### **Decimals to Fractions**

**Count the number of digits to the right of the decimal point to find the denominator, the numerator is the number to the right of the decimal point. Simplify**

#### **Converting Fractions to Decimals; 2-Methods**

**Divide the numerator by the denominator.  
Use equivalent fractions**

### **Compare (Ordering) Decimals**

**Write all the decimals so they have the same number of digits to the right of the decimal point by filling in zeros. The larger number is the largest decimal.**

### **Rounding Decimals**

**Underline the digit that is being rounded. Check the digit to the right of that number, if it is 5 or more, add one to the underlined digit. If it is less than 5, truncate after the underlined number.**

### **Adding/Subtracting Decimals**

**Line up the decimal points, add or subtract the numbers and bring the number straight down.**



## **Multiplying Decimals**

**Multiply the numbers the way you normally would. Count the number of digits to the right of the decimal points, count that same number of places from right to left in the answer and place the decimal point.**

## **Dividing Decimals**

**Move the decimal point on the outside as far to the right as possible, move the decimal point on the inside the same number of places. Then move it straight up into the answer.**

## **Scientific Notation**

**Rewrite the number as a multiplication between a power of 10 and a number between 1 and 10.**

## **Adding/Subtracting Numbers in Scientific Notation**

**Before you add or subtract numbers in scientific notation, the exponents on the powers of 10 must be the same. Add the decimals normally.**

## **Simplifying Square Roots**

**Rewrite the radicand as a product of a perfect square and some other number, take the square root of the perfect square and take that out, leave the remaining factor inside the radical**