**Math Test II Study Guide**

**Understanding, adding, subtracting, and multiplying with decimals**

*Test will be on Friday 11/21*

*The following topics will be on your test*

1. **Decimals in general**

You will be expected to show understanding that the placements of a decimal can change the value of a number.

For example:

423 vs. 4.23

1. **Place Value with decimals**

You will be expected to identify different numbers in their place values as shown below:

**124,635.793**=

**1** is in the hundred-thousands place

**2** is in the ten-thousands place

**4** is in the thousands place

**6** is in the hundreds place

**3** is in the tens place

**5** is in the ones place

**7** is in the tenths place

**9** is in the hundredths places

1. is in the thousandths place
2. **Adding, subtracting and multiplying decimals**

You will be expected to add, subtract, and multiply different numbers with decimals. For these problems, you should study how to properly line up numbers in their correct place value in order to get a right answer.

For addition remember the decimal gets moved straight down.

For multiplication problems, remember however many numbers are behind the decimal in the problem is how many numbers are behind the decimal in the answer.

For example: 78.34+65.303 is lined up properly below:

 78.34

 + 65.303