Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What happens when we multiply a power of 10 by another number?

Example 1: 2 x 100 = 200

Notice we get a number that is not a power of 10.

Example 2: 3.4 x 100 = 340

Calculate the following numbers:

2.8 x 100 3.06 x 1000 9.98 x 100,000

3.007 x 10,000,000 1.0002 x 1,000,000 5.555 x 1000

Example 3: 4 x .001 = .004

Example 4: 8.06 x .01 = .0806

7 x .001 7.4 x .001 7.43 x .001

1.1 x .0001 9.09 x .0000001 5.25 x .0000000001