

## Mathematics/Statistics 511

### Quiz #1

Name: \_\_\_\_\_

Let  $x_1, x_2, \dots, x_n$  be a random sample.

1. What is the formula for the mean  $\bar{x}$  of the sample.  $\bar{x} =$  \_\_\_\_\_

2. What is the formula for the variance  $s^2$  of the sample.  $s^2 =$  \_\_\_\_\_

3. What is the formula for the standard deviation  $s$  of the sample.  
 $s =$  \_\_\_\_\_