## **Sample Worksheet**

Water samples were drawn from the Hudson River on 6 randomly selected days and the PCB content in the water sample was measured. The results were:

2, 10, 9, 4, 8, 3, 9, 10, 4

- a) Compute the mean:
- b) Compute the range:
- c) Compute the variance:
- d) Compute the standard deviation:

You may want to use the following table and formulas:

X	$x^2$	
		I

Mean = 
$$\frac{1}{n}\sum x$$

Variance = 
$$\frac{1}{n-1} \left[ \sum x^2 - \frac{(\sum x)^2}{n} \right]$$

\_\_\_\_\_

\_\_\_\_\_

Std. Dev = 
$$\sqrt{\text{var}}$$