



**Calculations** (show your calculations for the data in the previous table):

**Questions:**

1. What was the graphical relationship between  $x$  and  $V_{def}$  in your graph? \_\_\_\_\_

(possible answers include squared, exponential, linear, inverse, logarithmic, ...)

2. From the equation for the theoretical value of  $x$  what should have been the graphical relationship between  $x$  and  $V_{def}$  ?

\_\_\_\_\_ Is this the same as your answer to number 1? \_\_\_\_\_

3. Calculate the average value of the deflection sensitivity (displacement per unit deflection voltage) for your CRT. Use your experimental displacement values.

Average deflection sensitivity = \_\_\_\_\_