

Measurement and Error

Pre-lab Test 1 (10 Points)

Print Name _____

Lab Section _____

Date _____

Staple your work sheet to this pre-lab test. You are required to show your calculations! Points will be taken off if your work is not neat and well organized. Be sure to print your name on both sheets.

Please note that you do not need an expensive graphing calculator for this course. You are required to have one that does statistical functions and linear regression.

- 1) Ten drivers travel from Boston to Wingersheik beach in Gloucester. They each measure the distance they travel to the beach on their odometers. The distances they measure are; 35.23, 36.56, 35.71, 34.90, 35.55, 35.12, 36.24, 37.14, 34.82, and 35.04 miles. Calculate the mean distance that the drivers traveled, the standard deviation, and the standard deviation of the mean, SDM, for this data set. The SDM is also referred to as the standard error.

Mean Distance = _____, Standard Deviation = _____, SDM = _____