

EE 381 Homework 1 – Part 1

Name, I.D. #, and Date: _____

Instructions: Attempt each problem. Submit part 1 with the other parts of homework 1 on 1/29/18 in seminar.

- 1.) For the population data set $\{5, 6, 3, 5, 3, 6, 5, 1\}$ determine the mean, median, and mode.
- 2.) For the population data set $\{2, 5, 1, 7, 3\}$ determine the mean, median, and mode.
- 3.) Determine the range, variance, and standard deviation for the population data set $\{3, 5, 4, 4, 5, 5, 10\}$
- 4.) In a college dorm 40 students are math majors, fourteen are English majors, and 8 are majoring in both math and English. There are 70 additional students that are neither English nor math majors. Are the math and English majors mutually exclusive? Are the math and English majors dependent or independent?

