EE 381 Quiz 1 – Practice

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

Instructions: No electronics other than a calculator. Show your work for credit. Put your answer on the line provided.

For the population data set (9, 9, 2, 5, 4, 3) determine the following.

(2 pt.) The mean, $\mu = \frac{\Sigma x}{N}$, to one decimal place. _____

(1 pt.) The median. _____

(1 pt.) The mode. _____

(3 pt.) Use the grid below to determine the standard deviation, $\sigma = \sqrt{\frac{\Sigma(x-\mu)^2}{N}}$

x	$x - \mu$	$(x - \mu)^2$

$\Sigma(x - \mu)^2 = $ _____ $\sigma = $ _____ (two decimal places)

(3 pt.)   The probability a neighborhood bread store will have rye is 45% and the probability it will have Brioche is 25%. The probability it will have both rye and Brioche is 10%. What is the probability it will have neither of the breads?

_____

$P(A \cup B) = P(A) + P(B) - P(A \cap B)$ $P(E') = 1 - P(E)$