

Probability and Statistics (MATH 1530-017)

Attendance Quiz, April 16, 2009

NAME _____ E-NUMBER _____

Pick the letter of the best answer. The problems are worth 2 points each.

1. The most important condition for sound conclusions from statistical inference is usually
 - (a) the confidence level is 100%.
 - (b) that the data can be thought of as a random sample from the population of interest.
 - (c) that the population distribution is exactly normal.
 - (d) that the confidence interval includes all possible values of the population parameter.

2. For a confidence interval calculated from a given SRS, as the level of confidence goes up
 - (a) the width of the confidence interval goes up.
 - (b) the width of the confidence interval goes down.
 - (c) the probability of a Type I error goes up.
 - (d) the probability of a Type II error goes up.