

Name: _____ Math 130 Day 13 In Class Worksheet

Date: _____ Section 9.1: Confidence Intervals for a Population Proportion

1. Find the following...

a) $z_{0.008}$

b) $z_{0.07}$

c) $z_{0.046}$

2. In order to determine the percentage of all Rio Hondo students who _____, the students in Greg's stats class were polled and asked if they _____.

a) Write the data here

b) What is the population?

c) What is the sample?

d) What is the population parameter (give the symbol and describe it in words)?

e) What is the sample statistic (give the symbol, describe it in words, and give its value)?

f) What is your best point estimate for the population parameter?

g) Construct a 95% confidence interval for the percentage of all Rio Hondo students who _____

h) What does the 95% mean in a 95% confidence interval?

i) Are you certain that the confidence interval you obtained in part g contains the correct value for the population parameter?