King Fahd University of Petroleum & Minerals
Department of Mathematics & Statistics
STAT-211-Term112
Quiz #6

Name: ID: Section: Serial:

1. The stock price for a company is thought to be fairly normal. Given this information, if a sample of 36 independent stock prices is selected with a mean equal to $1.30 and a standard deviation of $0.45, find 95 % confidence interval for the true mean.

2. Find the 95% confidence interval for the true proportion of outdated parts with a sample of 100 and 10 outdated parts.

3. A population for a stock price has a mean of 35 and standard deviation of 10. A random sample of 36 prices of this was taken. What is the probability you will find a sample mean of stock prices that is lower than 31.6?