

Ceng272 - Quiz 5

May 17, 2012

1. Explain and discuss a topic that you prefer.

OR

2. A engineer conjectures that the population mean of a certain component parts is 5.0 millimeters. An experiment is conducted in which 100 parts produced by the process are selected randomly and the diameter measured on each. It is known that the population standard deviation $\sigma = 0.1$. The experiment indicates a sample average diameter $\bar{X} = 5.027$ millimeters.
 - Does this sample information appear to support or refute the engineer's conjecture?