Name:

1. A chemical process has produced, on the average, 800 tons of chemical per day. The daily yields for the past week are 785, 805, 790, 793, and 802 tons. Assume that the daily yields are normally distributed.

   (a) Estimate the mean daily yield, with confidence coefficient .90, from the data.

   (b) Find a 90% confidence interval for the variance of the daily yields.