SEC/SER, HW ON PARAMETER ESTIMATION, STAT319, NAME: DUE: SAT, 24 NOV, 2012

F.1 (SAB) A one-gallon can of paint coverage has a normal distribution with a mean of μ square feet with a standard deviation of 30 square feet. Nine one-gallon cans of paints covered an average of 510 square feet with standard deviation of s square feet. Construct a 95% confidence interval for the mean coverage.

F.2 (LAL) A one-gallon can of paint covers on the average μ square feet with a standard deviation of 30 square feet. Forty one-gallon cans of paints can covered an average of 510 square feet with standard deviation of s square feet. Construct a 95% confidence interval for the mean coverage.

F.3 (GOL) Forty one-gallon cans of paints can covered an average of 510 square feet with standard deviation of 15 square feet. Construct a 95% confidence interval for the mean coverage.

F.4 (BAD) A one-gallon can of paint coverage has a normal distribution with an average μ square feet with a standard deviation of σ square feet. Nine one-gallon cans of paints covered an average of 510 square feet with standard deviation of 15 square feet. Construct a 95% confidence interval for the mean coverage.