STA 110
Brani Vidakovic
Fall 1995 **Name:**_____

# Quiz 5 (Ver 2)

**Cereal.** The weights of full boxes of Kellogg's Nutri-Grain Cereal are normally distributed with a standard deviation $\sigma = 0.18$ ounce. If a sample of 12 randomly selected boxes produced a mean weight of 17.28 ounces, find

(a) The 98% and 99% confidence intervals for the true weight of a box of this cereal.

(b) Discuss the effect of different confidence levels on the width of the interval in (a).