MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Use the given degree of confidence and sample data to construct a confidence interval for the population mean \( \mu \). Assume that the population has a normal distribution.

1) \( n = 12; \bar{x} = 19.1, s = 5.0 \), 99 percent
   \( M \sim \bar{x} \pm t_{n-1} \frac{s}{\sqrt{n}} \)
   \( M \in (14.63, 23.57) \)

2) 95% confidence interval; \( n = 91; \bar{x} = 72, s = 11.4 \)

\[ E = \text{Margin of Error} = \frac{74.374 - 69.626}{2} = 2.374 \]