## **QUESTION** (Textbook Page 276, Application Exercise 7.13)

A personnel manager has found that historically the scores on aptitude tests given to applicants for entry level positions follow a normal distribution with a standard deviation of 32.4 points. A random sample of nine test scores from the current group of applicants had a mean score of 187.9 points. Based on these sample results, a statistician found for the population mean a confidence interval extending from 165.8 to 210.0 points. Find the confidence level of this interval.

ANSWER

Given Interval Width = 
$$w = 2(ME)$$
 $8 = 32.4$ 
 $x = 187.9$ 
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