

II. Grades of State University graduates are normally distributed with a mean of 3.0 and a standard deviation of .3. Calculate the following being sure to graph each question.

A. What grade point average is required to be in the top 5% of the graduating class?

B. Calculate the interquartile range.

C. An eccentric alumnus left scholarship money for students in the third decile from the bottom of their class. Determine the range of the third decile.
Would a student with a 2.8 grade point average qualify for this scholarship?

D. What is the median grade point average of this class?