

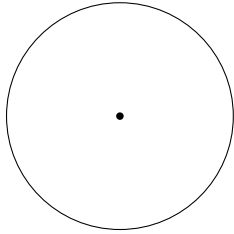
Math 123-02
Spring 2026
Dr. Lily Yen

Quiz 6

Show all your work

Name: _____
Number: _____
Signature: _____
Score: ____/10

Problem 1: Suppose among a class of 50 students, 10 students get A, 20 students get B, 15 students get C, and the rest get F. Draw a pie chart for the above data. Include your steps for the calculation of each sector angle in the pie.



Score: /2

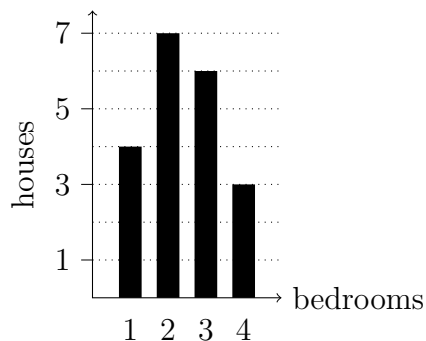
Problem 2: Below is a list of ages of 12 instructors in the Department of Mathematics and Statistics at CapU.

61, 45, 46, 51, 50, 44, 34, 37, 48, 64, 55 and 60.

Construct first a stem-and-leaf plot, then a box-and-whisker plot by computing the median, first and third quartiles complete with the minimum and the maximum.

Score: /4

Problem 3: The bar graph shown is a summary of a survey of the number of bedrooms (on the horizontal axis) in a sample of houses sold in the last quarter in the Sunshine Coast. The vertical axis shows the frequency as number of houses. Answer the following.



a. Find the total number (n) of houses in this sample.

b. State the median including units.

c. Find the average number of bedrooms for houses sold in this sample.

Score: /4