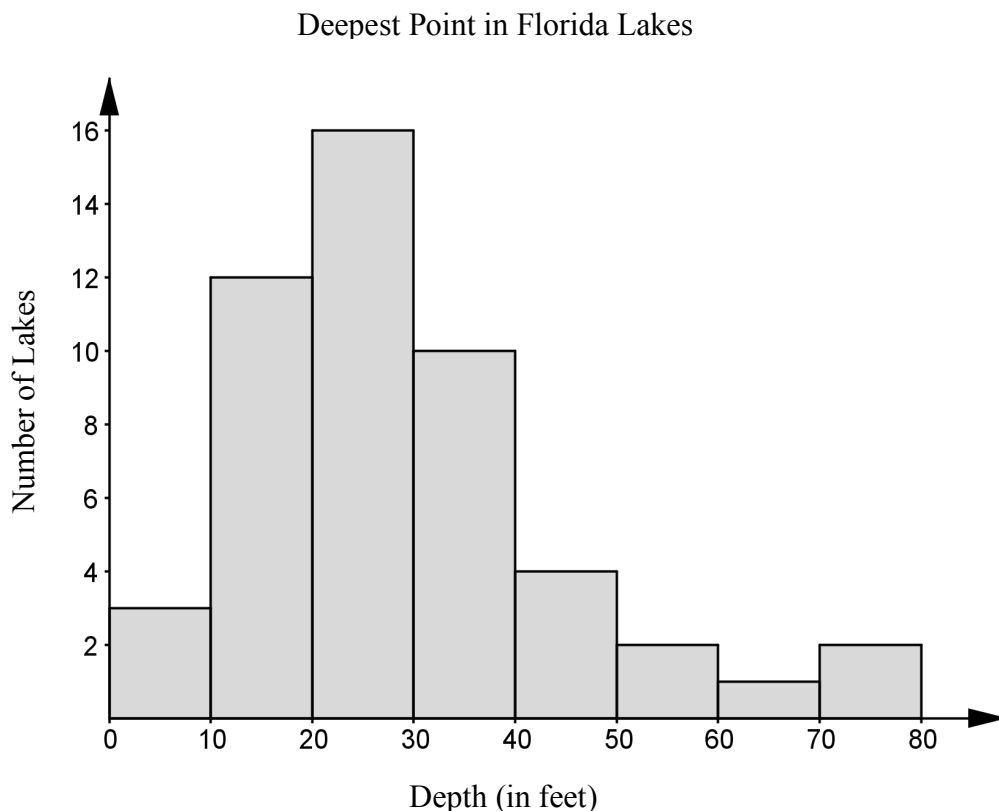Name _____ Date_____

The histogram below shows the results of a scientific study of a random sample of large lakes in Florida.

Deepest Point in Florida Lakes

1. What is the variable under investigation in this study? How was it measured?

2. How many lakes are represented in the histogram? Explain how you found your answer.

Name _____ Date_____

Vocabulary quiz scores for the 10 students in Mr. Harley's class are shown in the table.

Vocabulary Quiz Scores

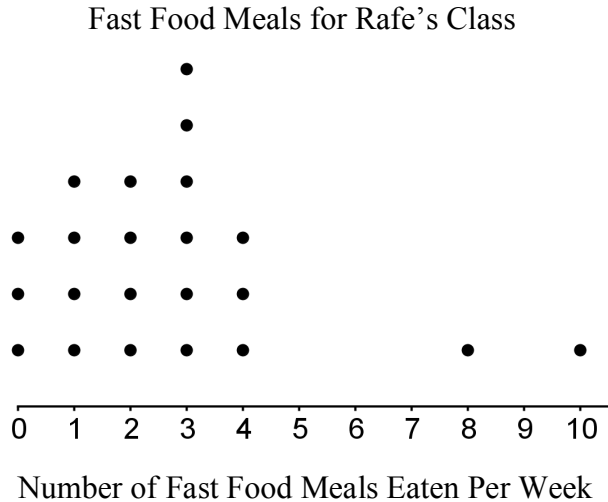| Score	Frequency
40	x
50	
60	x
70	x x
80	x
90	x x
100	x x x

1. Calculate the mean and interpret its meaning in this context.

2. Calculate the mean absolute deviation and interpret its meaning in this context.

3. Identify and interpret the meaning of any outliers in the data set.

Name _____ Date_____

For each graph, determine which measure of center (mean or median) and which measure of variability (interquartile range or mean absolute deviation) would better represent the data in that graph. Explain and justify your decisions. It is not necessary to calculate the measures you select.

1. The graph shows how many meals per week (on average) the people in Rafe's class eat at fast food restaurants.

Fast Food Meals for Rafe's Class

Number of Fast Food Meals Eaten Per Week

2. The graph shows the shoe size of each student in Charlene's dance class.

Shoe Sizes of Students in Charlene's Class

Shoe Sizes