

Circle the letter corresponding to the *best* answer.

Question 1. Which of the following is a measure of variation?

- (A) Mode
- (B) Range
- (C) Mean
- (D) Frequency
- (E) Median

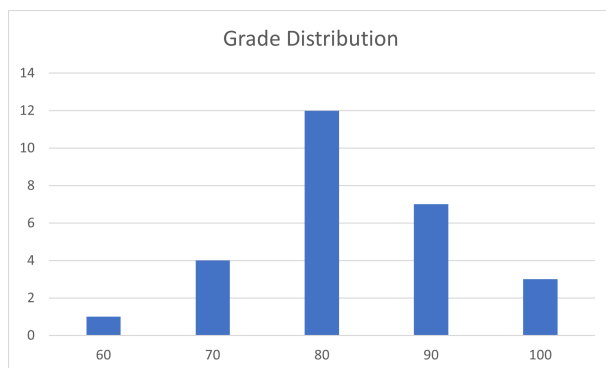
Question 2. Which statistical measure of central tendency is most affected by extreme scores?

- (A) Mean
- (B) Median
- (C) Mode
- (D) Skew
- (E) Correlation

Question 3. In a normal distribution, which percentage of the scores in the distribution falls within one standard deviation on either side of the mean?

- (A) 34 percent
- (B) 40 percent
- (C) 50 percent
- (D) 68 percent
- (E) 95 percent

Problems 4 through 6 refer to the histogram below.



Question 4. For the data indicated by the histogram, which of the following is true?

- (A) $\text{mode} < \text{median} < \text{mean}$
- (B) $\text{mode} = \text{median} < \text{mean}$
- (C) $\text{median} < \text{mode} < \text{mean}$
- (D) $\text{mean} < \text{mode} = \text{median}$
- (E) $\text{mean} < \text{median} < \text{mode}$

Question 5. For the data indicated by the histogram, what is the relative frequency of the score of 80?

- (A) 12 %
- (B) 20 %
- (C) 44 %
- (D) 60 %
- (E) 80 %