Quick Questions 5 Measuring Central Tendency of Grouped Data

I. Place the number of the appropriate formula next to the item it describes.

A. Grouped sample mean _____

B. Location of the grouped median _____

C. Grouped median _____

D. Class midpoint _____

1.	$\frac{X_1+X_2}{2}$
2.	$\frac{\sum fx}{n}$
3.	$L+\frac{\frac{n}{2}-CF_b}{f}(i)$
4.	$\frac{n}{2}$

II. Fill in the middle column and then use this frequency distribution to answer the following questions. Information needed to do this problem was presented on page 4.

Stated Class Limits	x	Frequency (f)
10 - 14		2
15 - 19		3
20 - 24		5

A. The first class has real class limits of _____ and _____.

B. The first class has stated class limits of _____ and _____.

C. The class width is _____.

D. The midpoint of the first class is _____.

E. The range using real class limits is from _____ to _____.

III. Calculate the following statistics using this frequency distribution of exam grades.

Stated Class Limits	x	Frequency (f)	
50 - 59	54.5	1	
60 - 69	64.5	3	
70 - 79	74.5	5	
80 - 89	84.5	7	
90 - 99	94.5	2	

A. Mean B. Median C. Mode