Homework: Show your Work for Full Credit!!!
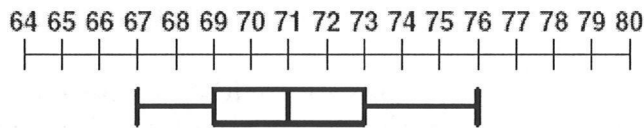
1. In which data set is the median value equal to the mean value?

   A {2, 4, 6, 7, 8}

   B {12, 18, 20, 23, 24}

   C {16, 17, 18, 19, 20}

   D {50, 60, 65, 75, 85}

2. {5, 6, 6, 8, 9, 10}
   For the data set shown, which measure is the greatest?

   A Mean

   B Median

   C Mode
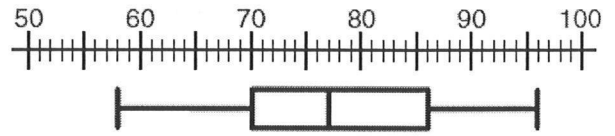
   D Range

3. Alberto made the box-and-whisker graph of the heights (in inches) of the members of his basketball team.

   64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

   What is the range of heights of the team members?

   F   16 in.

   G   9 in.

   H   4 in.

   J   2 in.

4. Mr. Andrews made a box-and-whisker graph of the quiz grades in his chemistry class.

   50   60   70   80   90   100

   Which is the median quiz grade for the class?
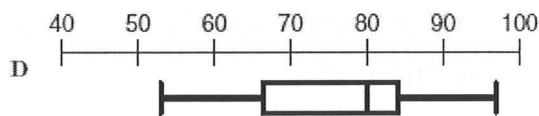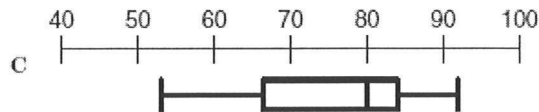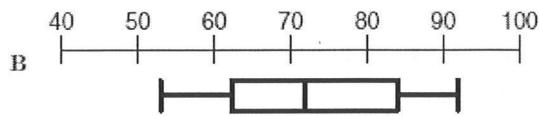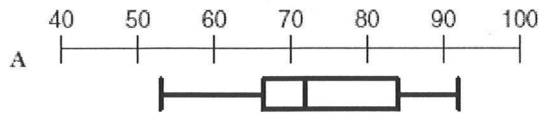
   F   70

   G   77

   H   80

   J   85

5. The value that has half of the observations above it and half the observations below it is called the

   a. range

   b. median

   c. mean

   d. mode

6. Joe's New Car dealership lists the following prices for this year's models.
   $10,469, $12,895, $15,499, $17,999, $18,595, $21,245, $10,395, $14,985
   What is the range in prices?

   A $15,260

   B $15,242

   C $10,850

   D $10,776

7. These are box-and-whisker plots of four different groups of test scores. Which has the greatest range?
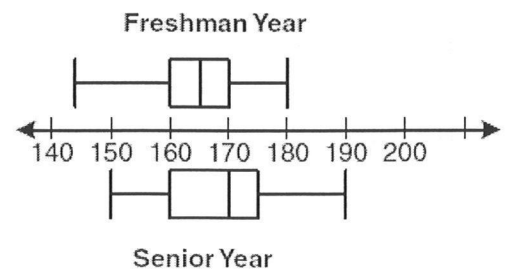
A

B

C

D

9. Tommy and Jeremy are pitchers for the baseball team and are being evaluated by the coach. The speeds in miles per hour of each of their practice pitches are shown below.

Practice Pitch Speeds

Tommy	Jeremy
60	63
69	70
85	79
68	67
80	65
73	72
65	68

Which of the following statements is true regarding their performances?

F   Tommy has a lower mean speed.
G   Tommy has a greater range of speeds.
H   Tommy has a lower median speed.
J   Jeremy's median speed is higher than Tommy's mean speed.

8.

The chart below shows the scores for each of the first 10 basketball games for the Hawks and the Blue Jays.

Hawks	Blue Jays
95	91
93	103
93	93
93	76
82	91
81	95
80	90
103	104
87	95
98	95

Which of the following is true?

A   The mode for the Hawks is less than the mode for the Blue Jays.
B   The mean for the Blue Jays is less than the mean for the Hawks.
C   The median for the Hawks is greater than the median for the Blue Jays.
D   The range for the Hawks is greater than the range for the Blue Jays.

10. The box-and-whisker plot shows the heights in centimeters of high school seniors compared to their heights as freshmen.

Freshman Year

Senior Year

Using the median as the measure, which is closest to the difference in heights between the freshman and senior years?

A   0 cm
B   5 cm
C   10 cm
D   15 cm