PC Sec 1-4 p. 35 (1-10)

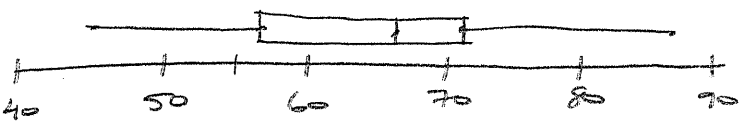
1- A

2- a) Min: 15,199
Q_1: 15253
Med: 15860
Q_3: 16919
Max: 18721

b) IQR: $Q_3 - Q_1$
16919 - 15253
= 1,666

c) 15253 - 1.5(1666)
= 12,754
16919 + 1.5(1666)
= 19,418
No outliers

3-



4- a) 25% b) 50% c) 25%

5- B. Majority of data clustered on low end.
Median in 5-10 bin.

6- min = 36 Q1: 44 Med = 45 Q_3 = 55 max = 72 (outlier)

7- a) Freq. of scores in each interval
b) 5 # Summary

8- a) $Q_3 + 1.5(Q_3 - 28)$

$2.5Q_3 - 42 < 50$
$+42 \quad +42$

$\frac{2.5Q_3}{2.5} < \frac{92}{2.5}$

$Q_3 < 36.8$

Largest Q_3: 36

b) Smallest Q_3: 34

9- {0, 0, 0, 4, 5 | 5, 6, 10, 12, 20}
Q_1 Q_2 Q_3

1 2 [3] 4 5 | 6 7 [8] 9 10
10 20

10- {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}