ASSIGNMENT – 3

Chebyshev's Inequality

1. The mean score of an Insurance Commission Licensure Examination is 75, with a standard deviation of 5. What percentage of the data set lies between 50 and 100?

2. The mean age of a flight attendant of PAL is 40 years old, with a standard deviation of 8. What percent of the data set lies between 20 and 60?

3. The mean age of salesladies in an ABC department store is 30, with a standard deviation of 6. Between which two age limits must 75% of the data set lie?

4. The mean score on an accounting test is 80, with a standard deviation of 10. Between which two scores must this mean lie to represent 8/9 of the data set?

5. During the week, the average time it takes to drive to work is 21 minutes, and the standard deviation is 0.25. Based on Chebyshev's Theorem, what is the minimum percent of driving times that are between 20.5 and 21.5 minutes?