

*Answer each question to the best of your ability. Be sure to stay positive. **Box Answer.***

1. Find \bar{x} , Min , Q_1 , Q_2 , Q_3 and Max of the following dataset: 2, 9.2, 5, 8, 7, 6, 1, 8, 8, 10

4

2. Determine if 9.1 is an outlier using the Z-score and IQR methods based on the statistics that were found in the statistics in problem 1. $s = 2.9$

6

3. Looking at the United States population in 2016, the probability that an adult between the ages of 18 and 24 does not have health insurance coverage of any kind is 0.76. Suppose you randomly select a 18-year-old woman and an unrelated 21-year-old man from this population.

6

- What is the probability that both individuals are uninsured?
- What is the probability that one individual is uninsured and the other one is not?
- What is the probability that both individuals are insured?

4. The probability of Jamear obtaining a Red Starburst when he pulls one from his bag is 0.82. What is the probability that he does not get a Red StarBurst?

2

5. If two events are disjoint (A and B), what is the probability that the both occur at the same time?

2