****

**Last Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ First Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Lab 2: Normally distribution**

1. Scores on California State University, Fullerton statistics exam are normally distributed with a mean of 75 and a standard deviation of 6. Answer with a **complete sentence.**

a. Mr. Pineda is teaching the class declares that a score of 70 or higher is required for a grade of at least “C.” What percentage of students failed to earn a grade of at least “C”?

15.87% of the students failed to earn a grade of at least a “C”.

b. What scores are needed to be among the highest 10% of the class?

To be among the highest 10% of the class, a score of 82.69 is required.

c. To receive a B on the test, it is required to score between 80 and 90. What percentage of students earned a B?

19.61% of the students received a “B”.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Rstudio Code goes Here \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

