**SYMBOLS PRACTICE: ANSWER KEY**

Directions: Read the sentences below and then identify each **underlined (bold)** number by labeling it with the proper statistical symbol.

1) Joe wanted to figure out the average number of T.V’s per house in Maryland. He randomly selected **35** houses from the phone book and called each one to ask them how many T.V’s they had. The average number he calculated for the people that answered the phone was **3.7** and the standard deviation was **1.1**.

n = 35 x-bar = 3.7 s = 1.1

2) Chris wanted to figure out the average number of T.V’s per house in Maryland. He randomly selected **20** houses from the phone book and called each one to ask them how many T.V’s they had. Based on a previous study it was known that the standard deviation for the number of T.Vs owned was **1.4**. The average number of T.V’s he calculated for the people that answered the phone was **2.9**.

n = 20 sigma = 1.4 x-bar = 2.9

3) Mary wanted to figure out what percentage of people like pizza, she took an SRS of **120** people and discovered **78%** of them said they enjoy pizza. An advertisement she saw said that **85%** of people in the U.S enjoy pizza. She was doubting that claim after her study.

n = 120 p-hat = 0.78 p = 0.85

4) Juan asked several of the students in his class what they scored on the past exam, and he figured out the mean was **81.5%** with a standard deviation of 8%.

x-bar = 81.5 s = 0.8