

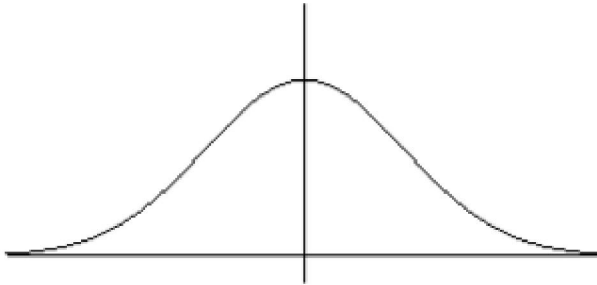
Paper Airplane Z-score Worksheet

Team Name _____

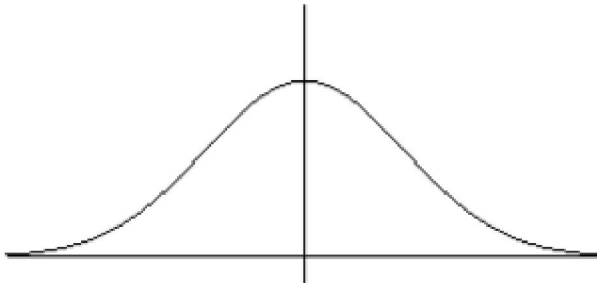
Members Present _____

Use your calculations for the Population Mean and Standard Deviation to find the following and sketch/shade a bell curve. Remember to label the mean and the appropriate z-score(s). Show calculations. No work=No Credit.

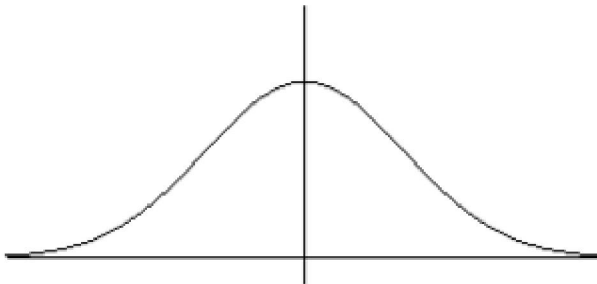
1. Find the probability an airplane will fly for at least 3 seconds.



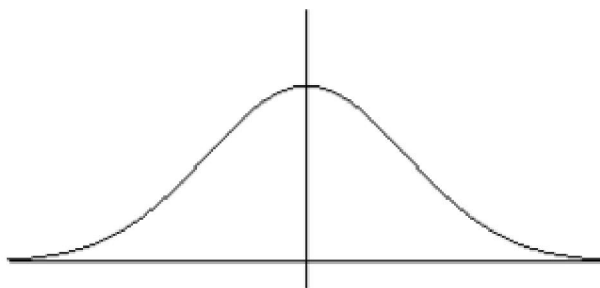
2. Find the probability an airplane will fly at most 1.2 seconds.



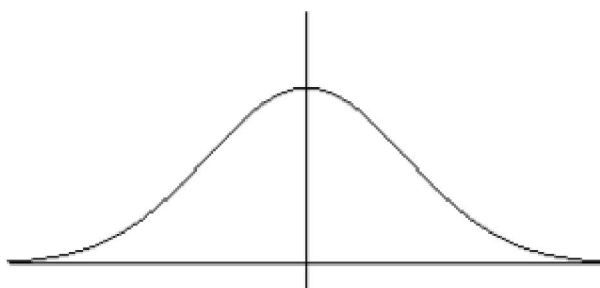
3. Find the probability an airplane will remain aloft less than 2.4 seconds.



4. Find the probability an airplane will remain aloft between .2 and .8 seconds.



5. Find the probability an airplane will remain in the air between 1.5 and 4.01 seconds.



6. What is the probability based on the data paper airplanes will remain aloft between 1.32 and 3.24 seconds?

