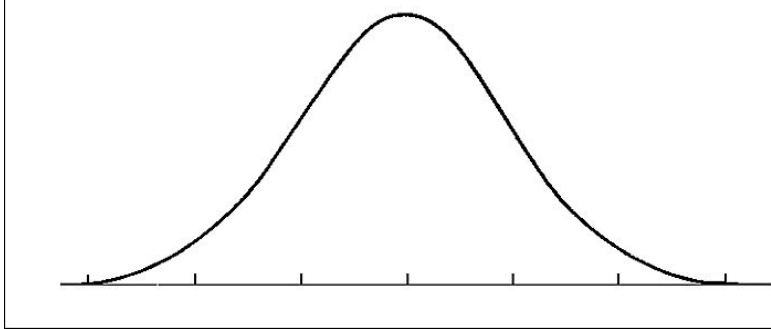


Name \_\_\_\_\_

Statistics Project	5 pts EC if in by <b>Nov.29</b> . Must be in by Dec 2.	Score
Step 1: Question? What is your Question? Please word clearly and make sure you get an answer from 1 to 10.	Question:	____/5
Step 2: What is your hypothesis? Do you believe the average score will be above what number?	Hypothesis:	____/5
Step 3: Are you doing a Survey, Observational Study or a Controlled Experiment?  <b>If you are doing a Survey or a Controlled which of the following are you using to choose your Sample?</b> <b>Simple Random Sample</b> <b>Stratified Random Sample</b> <b>Systematic Sample</b>	Describe how you are going to get your Sample? Make sure you clearly explain how you are picking your sample so I know if you did it correctly. For a Survey you need a sample of 20 of a list of at least 50 people or items.	____/20
Step 4. Fill out Data Sheet	Attach the Data Sheet you used to gather the data, or a picture of your numbered items.	____/20
Step 5. Find your information.	Mean: Median: Mode: Standard Deviation: Complete the Bell Curve:   84% of your Scores are ____ or higher.  68% of your scores are between ____ & ____	____/20

Step 6: z-score and Table A	<p>Use a z-score and Table A to find What percent of your relatives gave you a score of 4 or lower?</p> <p>Use a z-score and Table A to find What percent of your relatives gave you a score of 7 or Higher?</p>	___/10
Step 7: Margin of Error and Confidence Interval	<p>If a study in the past had done the exact same study as you, and they found a mean of 6.9 and a standard deviation of 0.5.</p> <p>What is your Margin of Error?</p> <p>What is the Confidence Interval?</p> <p>Does your study support or contradict the Past Study?</p>	___/10
Step 8. Percentiles	<p>Below list your data from low to high.</p> <p>What percentile is a score of 7?</p> <p>A percentile of 70 is what score?</p>	___/10
FINAL SCORE	FINAL SCORE	___/100