

Name: _____

Statistics Assignment

(Due Monday, June 18th, 2018)

1. A survey about cell phone use among teenagers is given to a Grade 7/8 class. Explain why this survey is biased.
2. A new medication to treat nausea is being studied. Participants take either the new medication or an existing medication. After the final data is gathered, the **experimental** group showed **less of an effect** than the **control** group. What does this mean about the new medication?
3. A pilot study among elite athletes indicated that listening to calming music before performing seemed to improve athletic performance. Describe the **design of an experiment** to test this idea.
4. Draw a line or curve of best fit for this data, circle any outliers, and estimate the correlation coefficient R .

