1.3 Homework

1. Consider the following three Data Sets A, B, and C
   1. Calculate the mean and median of each data set.
   2. Which set has the greatest standard deviation? How do you know?
2. Periods 3 and 4 (both with 30 students in the class) take a quiz. Both classes have perfectly symmetrically distributed scores with a mean score of 5 out of ten.
   1. What is the mode score? What is the median score?
   2. Period 3’s scores have a lower standard deviation than period 4’s scores. Sandra says that this means that more people in period 3 got a score of 5 than in period 4. Do you agree with Sandra? Draw a sketch of each distribution to support your answer.

Period 3 Sketch: Period 4 Sketch:

Do you agree or disagree? Why?