Name: _____

Quiz 1

Math 243

You have 20 minutes to complete this quiz and upload your work to Canvas. Write your answers on a separate sheet of paper and scan them with a scanning app. When you're finished, first check your work if there is time remaining, then turn it in. You may use a scientific calculator or a graphing one, but you may not consult other people or the internet. **Show all your work.**

1. (4 points) Which is a resistant measure of center: mean or median? Write a sentence describing what it means to be a resistant measure of center.

2. (8 points) Write the 5-number summary of the following data:

$$10 \ 11 \ 31 \ 63 \ 50 \ 9 \ 40 \ 64 \ 87 \ 43 \ 31 \ 0 \ 5 \ 80 \ -300$$

3. (8 points) In the previous data set, are there any outliers? If so, what are they? Justify your answer.