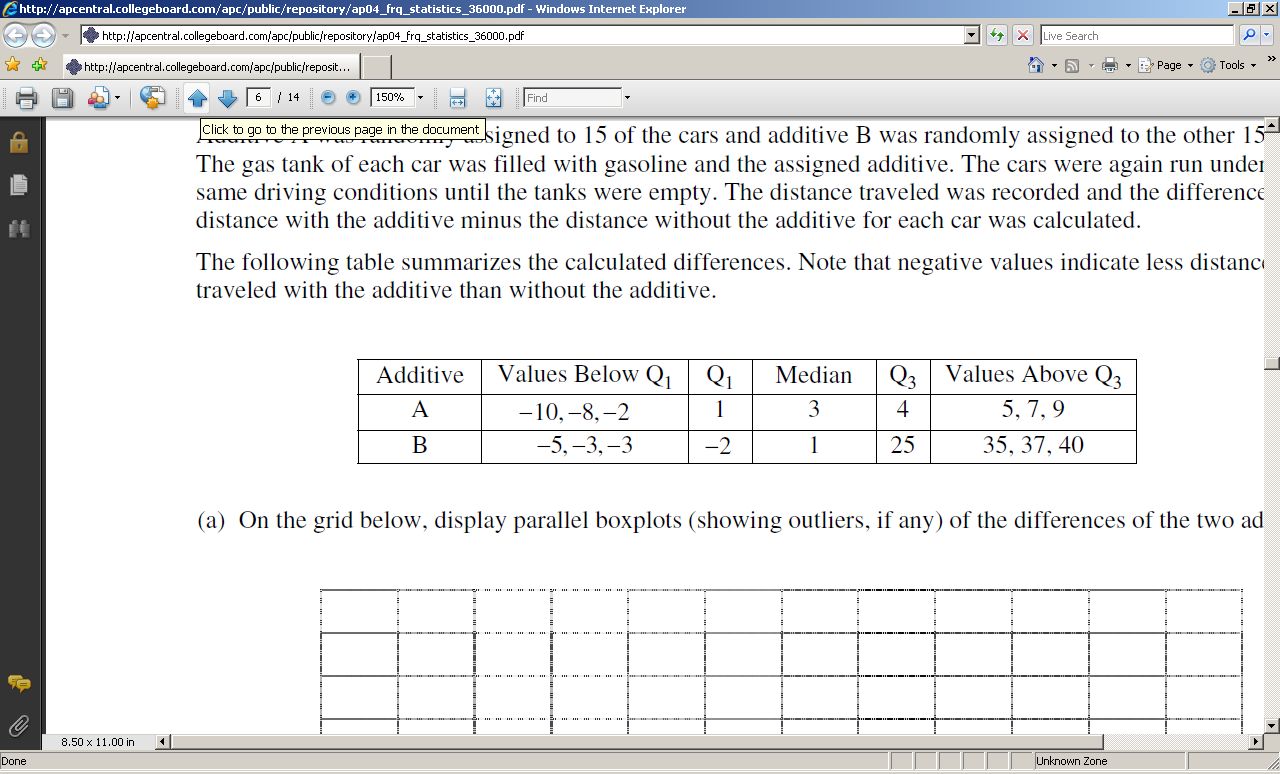
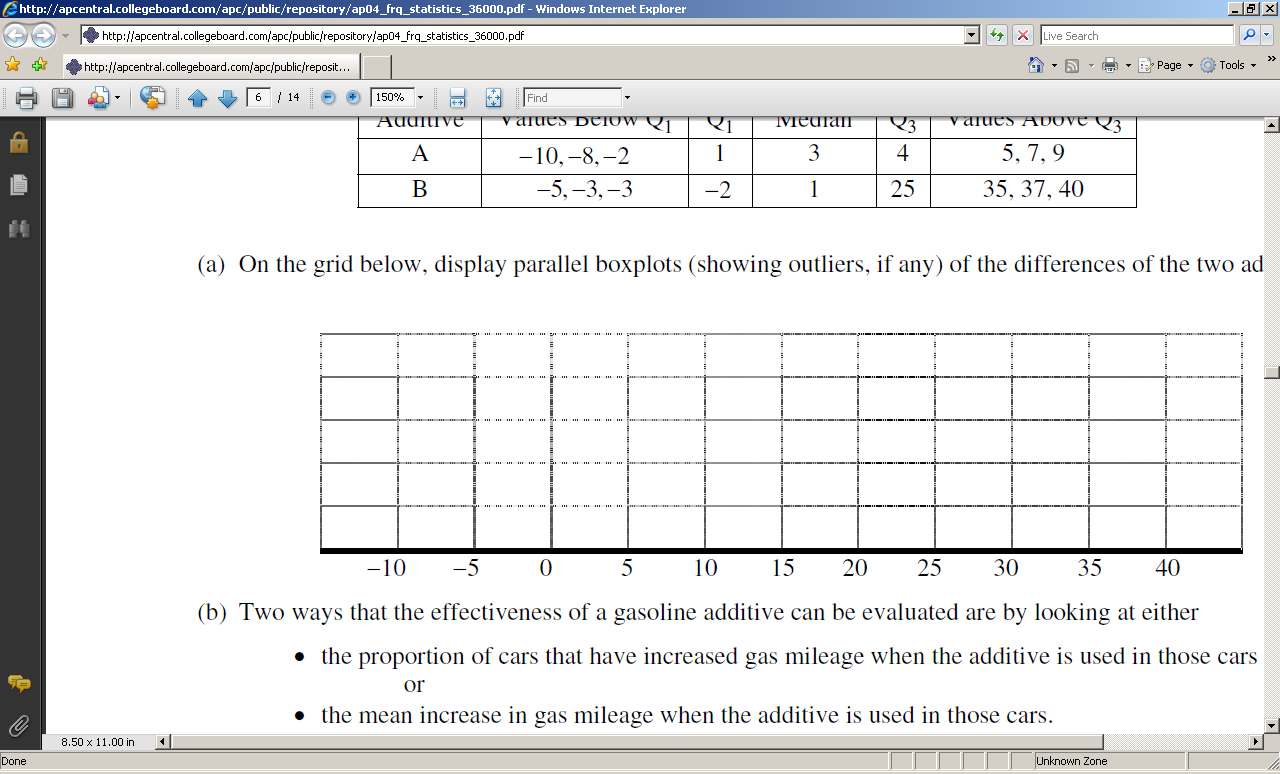
**Pre-Calculus Common Formative Assessment Box Plots Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. A consumer advocate conducted a test of two popular gasoline additives, A and B. A random sample of 30 cars were tested. Each car was filled with gas and then driven until it was empty. The distance traveled was recorded.

Half the cars were then given additive A and the other half were given additive B. the cars were filled up and run under identical driving conditions as before. The distance traveled was recorded and the difference (with Additive – without Additive) was calculated for each car.

The following table summarizes the calculated differences.



1. Were any outliers present? Show your check using the outlier formula.
2. Construct parallel boxplots on the grid below (showing outliers, if any).