Math 115 - Quiz 5

Name _____

October 2, 2014

Score _____

Show all work to receive full credit. Supply explanations when necessary.

Suppose that in the last three months, **you** made the following credit card purchases (in dollars)

$$60 \quad 95 \quad 102 \quad 110 \quad 130 \quad 130 \quad 162 \quad 200 \quad 215 \quad 120 \quad 124 \quad 28$$
$$58 \quad 40 \quad 102 \quad 105 \quad 141 \quad 160 \quad 130 \quad 210 \quad 145 \quad 90 \quad 46 \quad 76$$

and **your friend** made the following

$$100 \quad 125 \quad 132 \quad 90 \quad 85 \quad 75 \quad 140 \quad 160 \quad 180 \quad 190 \quad 160 \quad 105$$
$$145 \quad 50 \quad 151 \quad 82 \quad 78 \quad 115 \quad 170 \quad 158 \quad 140 \quad 130 \quad 165 \quad 125$$

For each set of data, find the five-number summary and the IQR. Then sketch and compare the boxplots. Write a sentence comparing the boxplots.