Introductory Statistics | Section 1.7b – Day 2 | Name:_____

Calculating Outliers

Calculate the Interquartile Range $(Q3 - Q1)$ for each set of data.
Then determine the interval for the inner fences: Lower $(1st\ Q - IQR \cdot 1.5)$, Upper $(3rd\ Q + IQR \cdot 1.5)$
Identify any outliers.

1. 15, 15, 20, 25, 25, 30, 30, 30, 35, 75, 85

   $IQR$: _____ $IQR \cdot 1.5$:_____ Inner Fences: (_____ , _____ )

   Outliers: _____

2. 10, 20, 30, 40, 50, 60, 70, 80, 90

   $IQR$: _____ $IQR \cdot 1.5$:_____ Inner Fences: (_____ , _____ )

   Outliers: _____

3. 2, 6, 25, 57, 59, 59, 60, 61, 62, 64, 66, 70, 72, 75, 100

   $IQR$: _____ $IQR \cdot 1.5$:_____ Inner Fences: (_____ , _____ )

   Outliers: _____

4. 46, 70, 71, 72, 73, 79, 79, 79, 80, 81, 81, 83, 85, 88, 90

   $IQR$: _____ $IQR \cdot 1.5$:_____ Inner Fences: (_____ , _____ )

   Outliers: _____

5. -2.6, -2.45, -2.4, -2.4, -2.2, -2.08, -1.93, -1.91, -1.85, -1.75, -1.61, 0.25

   $IQR$: _____ $IQR \cdot 1.5$:_____ Inner Fences: (_____ , _____ )

   Outliers: _____