Date:

Full Name:

**Task 1:**

# Assessing Normality of Real World Data

*Copy and Paste the two Histograms below each corresponding tile shown below.*

**Histogram for the Systolic Blood Pressure**

*Does the Systolic Blood pressure appear to follow a normal distribution?*

**Histogram for the Diastolic Blood Pressure**

*Does the Diastolic Blood pressure appear to follow a normal distribution?*

*Insert below, the QQ plot for the Systolic Blood Pressure!*

**QQ plot for the Systolic Blood Pressure**

*Compare your Normal Quantiles Plots to the Three Normal Quantile Plots that are shown on page 54 of the eText, and follow the discussion there. State whether the Systolic Blood Pressure follows a Normal Distribution?*

*Insert below, the QQ plot for the Diastolic Blood Pressure!*

**QQ plot for the Diastolic Blood Pressure**

*Compare your Normal Quantiles Plots to the Three Normal Quantile Plots that are shown on page 54 of the eText, and follow the discussion there. State whether the Systolic Blood Pressure follows a Normal Distribution?*

**Task 2:**

# Using a Measure of Center and a Measure of Variation to Quantitatively Describe and Compare the Systolic and Diastolic Pressures of Males and Females.

**Summary Statistics of the Systolic Blood Pressure of Males and Females**

*Insert your StatCrunch generated Summary Statistics of the Systolic Blood Pressure of Males here*

*Insert your StatCrunch generated Summary Statistics of the Systolic Blood Pressure of Females here*

**Summary Statistics of the Diastolic Blood Pressure of Males and Females**

*Insert your StatCrunch generated Summary Statistics of the Diastolic Blood Pressure of Males here*

*Insert your StatCrunch generated Summary Statistics of the Diastolic Blood Pressure of Females here*

**Interpretation**

*Write 2 to 3 lines comparing the mean and standard deviation of Systolic Blood Pressure of males and females, and the mean and standard deviation of Diastolic Blood Pressure of males and females.*