FALL FINAL DATA ANALYSIS PRACTICE TEST #A

Name _____ **Period** _____

$270	**$340**	**$345**	**$370**	**$375**	**$380**	**$400**	**$405**	**$435**	**$440**
$450	**$455**	**$475**	**$575**	**$575**	**$595**	**$650**	**$690**	**$775**	**$960**

1. For the data distribution above:

1a. Find the mean. 1b. Find the median.

1c. These two statistics measure _____. (center, shape, spread or outliers)

1a.

1b.

1c.

2. For the data distribution above:

2a. Find the standard deviation. 2b. Find the range.

2c. Find the interquartile range (IQR). 2d. Find the variance.

2e. These four statistics measure _____. (center, shape, spread or outliers)

2a.

2b.

2c.

2d.

2e.

3a. The Fisher skew statistic describes the _____ of a distribution. (center, shape, spread or outliers)

3b. What is the Fisher skew statistic for the distribution above?

3c. Calculate the computed range for interpreting this skew statistic.

3d. This skew statistic suggests the distribution above is _____.

3a.

3b.

3c. **- _____ to +_____**

3d.

4. For the distribution above:

4a-c. Find the lower limit (4a) and upper limit (4b) for outliers in the distribution using the standard deviation method (use two standard deviations above and below the mean).

(4c) List the outliers using this method (or write "none").

4d-f. Find the lower limit (4d) and upper limit (4e) for outliers in this distribution using the IQR method.

(4f.) List the outliers using this method (or say "none").

4a.

4b.

4c.

4d.

4e.

4f.

5a-c. Identify the best measures of center, spread and outliers.

5a. Best Measure of Center: _____ 5b. Best Measure of Spread: _____

5c. Best Measure of Outliers: _____ Method

FALL FINAL DATA ANALYSIS PRACTICE TEST #B

Name _____ **Period** _____

$ 15	**$22**	**$30**	**$31**	**$33**	**$48**	**$49**	**$53**	**$57**	**$59**
$60	**$61**	**$61**	**$62**	**$62**	**$64**	**$66**	**$68**	**$71**	**$103**

1. For the data distribution above:

1a. Find the mean. 1b. Find the median.

1c. These two statistics measure _____. (center, shape, spread or outliers)

1a. **1b.**

1c.

2. For the data distribution above:

2a. Find the standard deviation. 2b. Find the range.

2c. Find the interquartile range (IQR). 2d. Find the variance.

2e. These four statistics measure _____. (center, shape, spread or outliers)

2a. **2b.**

2c. **2d.**

2e.

3a. The Fisher skew statistic describes the _____ of a distribution. (center, shape, spread or outliers)

3b. What is the Fisher skew statistic for the distribution above?

3c. Calculate the computed range for interpreting this skew statistic.

3d. This skew statistic suggests the distribution above is _____.

3a.

3b.

3c. **- _____ to +_____**

3d.

4. For the distribution above:

4a-c. Find the lower limit (4a) and upper limit (4b) for outliers in the distribution using the standard deviation method (use two standard deviations above and below the mean).

(4c) List the outliers using this method (or write "none").

4d-f. Find the lower limit (4d) and upper limit (4e) for outliers in this distribution using the IQR method.

(4f.) List the outliers using this method (or say "none").

4a. **4b.**

4c.

4d. **4e.**

4f.

5a-c. Identify the best measures of center, spread and outliers.

5a. Best Measure of Center: _____ 5b. Best Measure of Spread: _____

5c. Best Measure of Outliers: _____ Method