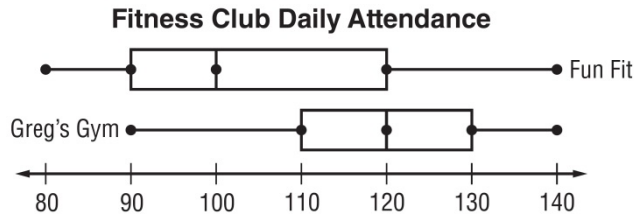Score:

Number_____ Name _____ Period _____

**Determine the median and IQR of each data set. Compare the Median and IQR of each set of data and determine which has the largest IQR.**

**1.** The double plot shows the daily attendance for two fitness clubs for one month.

**Fitness Club Daily Attendance**



**2.** The following tables show a sample from two class homework scores.

| Class A |
| --- |
| 10, 17, 25, 19, 30 |
| 23, 15, 21, 27, 13 |

| Class B |
| --- |
| 24, 19, 10, 19, 30 |
| 23, 16, 26, 19, 21 |

**Determine the Mean and Mean Absolute deviation(MAD) of each data set, then compare the Mean and Mean Absolute Deviation (MAD) of each set and determine which is largest MAD.**

**3.** The double dot plot shows the weights in pounds of several housecats and small dogs.

**Weights (lb)**
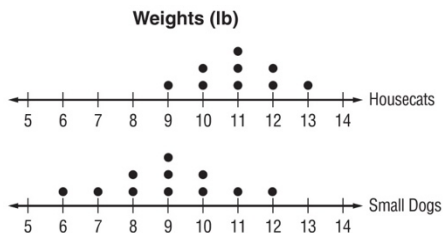


**4.** The two sets of data show a sample of the amount of how much money per hour employees working at 2 neighboring office buildings earn.

| Building 1 |
| --- |
| 18, 27, 10, 30, 17 |
| 24, 18, 25, 22, 16 |

| Building 2 |
| --- |
| 22, 19, 28, 18, 10 |
| 18, 30, 16, 22, 21 |

Evaluate the following expressions when x=-9 and y=-3
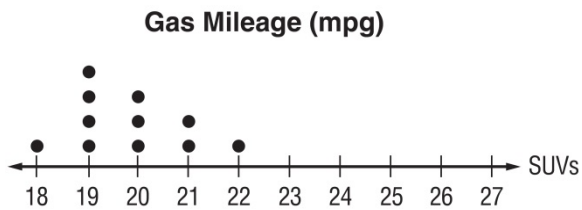
5. $4x - 3y$

6. $x^2 + 4y$

7. If a right triangular prism has a base area of 39 inches and height of 12 inches what is the volume?
$$V = Bh$$

8. If a triangular window has a base of 24 inches and a height of 18 inches what is the area of the window?
$A = \frac{1}{2}bh$

9. Describe in detail with the following data how you will get the IQR.

**Gas Mileage (mpg)**



10. Explain to an adult or older sibling the visual representation for the following problem.

$$-2 - (-9)$$

Adult/sibling Name: _____

Adult/sibling Signiture:_____