**Algebra I Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Statistics Quiz Review Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_\_\_\_\_\_\_**

|  |  |  |  |
| --- | --- | --- | --- |
| **74** | **73** | **72** | **76** |
| **73** | **72** | **75** | **73** |
| **70** | **74** | **73** | **74** |

**For #1 – #4, use the following data set:**

**The data to the right represents the height, in inches,**

**of the pitchers for the 2012 San Francisco Giants.**

**1)**  Find the Median. 1**)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2)**  Find the Mode. **2)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3)** Find the Mean. **3)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**4)** Draw a Dot Plot

 68 69 70 71 72 73 74 75 76 77 78

**5)** How would you describe the distribution of 5**)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

the data in the dot plot you created above?

**6)** The mean of a data set is 12 and the median is 10. **6)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 How would you describe the distribution of the data?

**7)** Given the following box plot, **7)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 what is the median of the data?

**8)** The data to the right shows the number of hours of battery life

|  |  |  |  |
| --- | --- | --- | --- |
| **12** | **9** | **10** | **14** |
| **10** | **18** | **21** | **10** |
| **14** | **10** | **11** | **19** |

 for different brands of batteries used in TV remotes.

**a)** Create a histogram of the battery life using the provided axes.

**Hours of Battery Life**



 **8 10 12 14 16 18 20 22**

**7**

**6**

**5**

**4**

**3**

**2**

**1**

**0**

**b)** How would you describe the distribution of **b)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

the data in the histogram you created above?

**c)** Identify the typical amount of hours for battery life. **)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 **For #9 – #11, use Data Set 1**

**9)** In Data Set 1, what is the term that **9)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

 could be used to describe the point

 in the dot plot indicated by the arrow?

**10)** What is the median of the data? **10)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**11)** What is the mean of the data? **11)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**