Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Quiz 1**

***Always show enough work to indicate how you arrived at your answer. If no work is shown, you may not receive full credit for the problem.***

(4)

1. **Consider this stem-and-leaf display:**

**3 0 3 7**

**4 2 4 6 7 9**

**5 1 3 3 6**

**6 0 7 7**

**7 1 9**

Write the data set that was used to construct this display.

(6)

1. The following table gives the frequency distribution of times (to the nearest hour) that 90 fans spent waiting in line to buy tickets to a rock concert.

**Waiting Time**

**(hours) Frequency**

0 to 6 5

7 to 13 27

14 to 20 30

21 to 27 20

28 to 34 8

**Answer the following questions about this table**

1. What are number of classes? \_\_\_\_\_\_\_\_\_\_\_\_\_
2. The class width is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The midpoint of the third class is: \_\_\_\_\_\_\_\_\_\_\_\_\_
4. The lower boundary of the second class is: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The upper limit of the second class is: \_\_\_\_\_\_\_\_\_\_\_\_\_
6. The sample size is: \_\_\_\_\_\_\_\_\_\_\_\_\_

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1. **Identify each of the following variables on a major League baseball players as**

(4)

**C: categorical, Qd: quantitative discrete, or Qc: quantitative continuous**

1. The team for which he plays \_\_\_\_\_\_\_\_\_\_
2. His height \_\_\_\_\_\_\_\_\_\_\_
3. The position he plays \_\_\_\_\_\_\_\_\_\_\_\_
4. Number of hits he got in 2009 \_\_\_\_\_\_\_\_\_\_\_
5. **The following frequency table represents the marital status of a random sample of 5500 California Community College female students.**

|  |  |  |
| --- | --- | --- |
| **Marital Status** | **Frequency** | **Percent** |
| **Single** | **2310** |  |
| **Married** | **1870** |  |
| **Divorced** | **1155** |  |
| **Widowed** | **165** |  |
| **Total** | **5500** |  |

(2)

1. **Fill in the column for the percent frequency.**
2. **Make a bar chart for this distribution (label carefully – including what the axes represent)**

(4)

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