

**Math 160 — Quiz 1**

**Professor Busken**

**Due Tuesday, Feb. 12<sup>th</sup>**

**Name:** \_\_\_\_\_

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**For questions 1—4, identify each variable as quantitative or qualitative.**

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|---|----------|
| 1. city in which a person lives in                                  | 1. _____ |
| 2. number of students in a restaurant                               | 2. _____ |
| 3. rating of newly elected politician (excellent, good, fair, poor) | 3. _____ |
| 4. amount of time it takes to answer this question                  | 4. _____ |

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**For questions 5—8, identify the following quantitative variables as discrete or continuous.**

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|--|----------|
| 5. number of consumers in a telephone poll | 5. _____ |
| 6. time to complete this quiz              | 6. _____ |
| 7. weight of recycled aluminum cans        | 7. _____ |
| 8. population of san diego                 | 8. _____ |

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9. A data set consists of the ages of death for each of the past 41 presidents of the United States. Is this set of measurements a population or sample?

9. \_\_\_\_\_

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10. Determine whether the given value is a statistic or parameter. In a large sample of households, the average number of pounds of trash per week thrown away by each family is 100 pounds.

10. \_\_\_\_\_

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**For questions 11–12, determine whether the given measurements are nominal, ordinal, interval or ratio data.**

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|---|-----------|
| 11. Ratings of a performer's concert on a scale of 0 to 4       | 11. _____ |
| 12. Types of math classes (geometry, algebra, statistics, etc.) | 12. _____ |