

**Quiz 3**

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

Date: January 30, 2020

Stat 101: Spring 2020

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**Instructions:**

Please answer the questions below. Show all your work. Calculators are allowed, please simplify all answers to three significant figures.

**Problem 1.** (5 points) Calculate the standard deviation of the following data. Hint: to calculate the standard deviation

$$\sigma = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n - 1}}$$

Hint part two:  $\bar{x}$  is the sample mean.

5, 4, 6, 3, 2

**Problem 2.** (5 points) Draw me a picture.