Practice worksheet | Counting and introductory statistics

Sample standard deviation

Name: _____ Date: _____

6 questions | 13 marks

1. Find s for 1,3,5. [2 marks]

2. Find the sample variance and s for 3,3,7,7. [2 marks]

3. A sample has $s = 5$. Every value increases by 20. Find the new s. [2 marks]

4. A sample has $s = 3$. Values are multiplied by -2. Find the new s. [2 marks]

5. A calculator returns $S_x = 4.20$ and $\sigma_x = 3.76$ for a survey sample. Which should be reported as an estimate of population spread? [2 marks]

6. For sample values 4,6,8,10, calculate the mean and s to 3 decimal places. [3 marks]