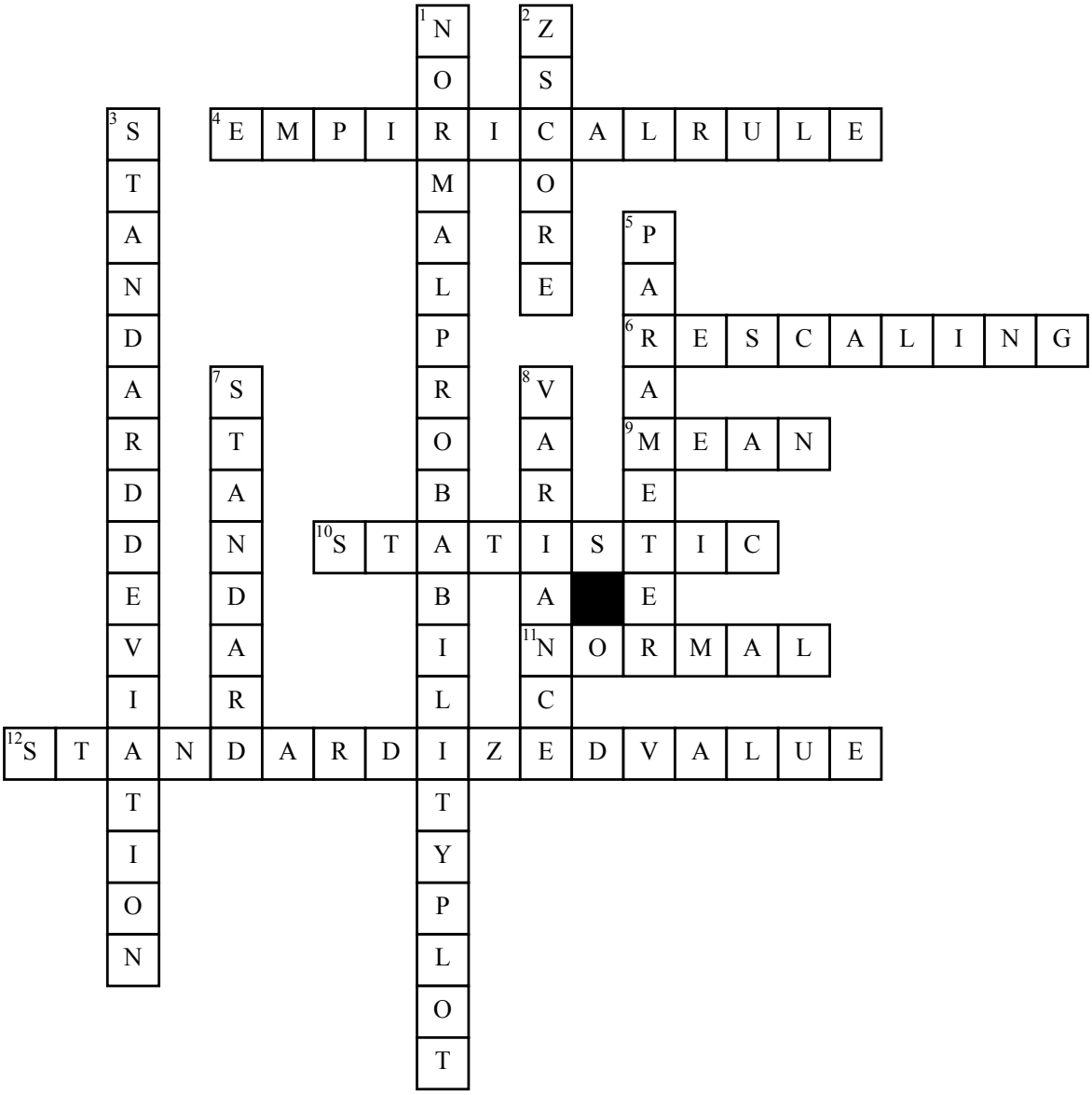
Name: _____ Date: _____

06 - Standard Deviation and the Normal Model



Across

4. In a Normal model, about 68% of the values within 1 standard deviation of the mean, about 95% within 2 standard deviations, and about 99.7% within 3 standard deviations.

6. The process of multiplying each value by a constant that multiplies both the measures of position and measures of spread by that constant.

9. center of the Normal model.

10. Numerical attribute of a set of data.

11. model used for certain unimodal, symmetric distributions.

12. The value found by subtracting the mean and dividing by the standard deviation.

Down

1. Display to help assess whether a distribution of data is approximately Normal.

2. Tells how many standard deviations a value is from the mean.

3. The square root of the variance.

5. Numerical attribute of a model.

7. Type of Normal model with mean 0 and standard deviation 1.

8. The sum of the squared deviations from the mean, divided by the count minus one.