

Find the (a) sample variance and (b) sample standard deviation for each of the following data sets. Calculate your answers to four decimal places.

1. 15, 33, 30, 50, 0

Variance (s^2) = _____

Standard Deviation (s) = _____

2. -4, 25, -4, 11, 19, 4

Variance (s^2) = _____

Standard Deviation (s) = _____

3. 4.7, 5.6, 2.5, 4.9, 7.3, 4.7, 5.6, 6.5

Variance (s^2) = _____

Standard Deviation (s) = _____

4. -10, 0, 3, 3, 6, 16

Variance (s^2) = _____

Standard Deviation (s) = _____

5. 150, 330, 300, 500, 0

Variance (s^2) = _____

Standard Deviation (s) = _____

Find the (a) population variance and (b) population standard deviation for each of the following data sets. Calculate your answers to four decimal places.

6. 0, 0, 0, 100, 100, 100

Variance (σ^2) = _____

Standard Deviation (σ) = _____

7. 50, 50, 50, 50, 50, 50, 50

Variance (σ^2) = _____

Standard Deviation (σ) = _____

8. 30, 40, 50, 50, 60, 70

Variance (σ^2) = _____

Standard Deviation (σ) = _____

9. -30, -40, -50, -50, -60, -70

Variance (σ^2) = _____

Standard Deviation (σ) = _____

10. 1, 1, 4, 4, 4, 10, 10, 10

Variance (σ^2) = _____

Standard Deviation (σ) = _____