Statistics S3

Complete the table and find the missing statistics for the following data sets:

1. 3, 6, 10, 5, 3, 6, 9, 10, 7, 11

2. 5, 5, 5, 5, 7, 7, 9, 9, 9, 9

Mean = _____   Mean = _____

Median = _____   Median = _____

Mode = _____   Mode = _____

Range = _____   Range = _____

x	$x - \mu$	$(x - \mu)^2$

x	$x - \mu$	$(x - \mu)^2$

$\sigma^2 = Variance = \dfrac{total}{n} =$ _____

$\sigma = \sqrt{\dfrac{\Sigma(x_i-\mu)^2}{n}} =$ _____

$\sigma^2 = Variance = \dfrac{total}{n} =$ _____

$\sigma = \sqrt{\dfrac{\Sigma(x_i-\mu)^2}{n}} =$ _____

Find the variance and the standard deviation of the following data sets:

3. 1, 3, 5, 6, 9, 11, 14, 15, 17, 19

4. 16, 5, 7, 4, 4, 4, 5, 1, 15, 14, 6, 7, 3

5. 7, 12, 11, 10, 8, 5, 2, 3, 5