**MAT150 Statistics Assignment #5** [**www.helpyourmath.com/150.5**](http://www.helpyourmath.com/150.5)

1. Calculate the mean, variance and standard deviation of final exam scores of some students in MAT150.5 course.

90 85 74 91 89 66

|  |  |  |
| --- | --- | --- |
| 𝒙 | 𝒙−$\overline{x}$ | (𝒙−$\overline{x}$)𝟐 |
|   |   |   |
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|   |   |   |
|   |   |   |

 Mean \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Variance \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Standard Deviation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. For the following population data set find:

6449 31 45 52 43 39 50 46

* 1. The **mean**

* 1. The **standard deviation** and **variance** using either the **definition formula** or the **computational formula**.

* 1. Is 60 **unusual value**? ***(Optional)***

**Show your work:**