Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Activity 3-1**

1. \_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_
7. \_\_\_\_\_\_\_\_
8. \_\_\_\_\_\_\_\_
9. \_\_\_\_\_\_\_\_
10. \_\_\_\_\_\_\_\_
11. \_\_\_\_\_\_\_\_
12. \_\_\_\_\_\_\_\_
13. \_\_\_\_\_\_\_\_
14. \_\_\_\_\_\_\_\_
15. \_\_\_\_\_\_\_\_
16. \_\_\_\_\_\_\_\_
17. \_\_\_\_\_\_\_\_
18. \_\_\_\_\_\_\_\_
19. \_\_\_\_\_\_\_\_
20. \_\_\_\_\_\_\_\_ Explain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
21. \_\_\_\_\_\_\_\_ Explain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
22. \_\_\_\_\_\_\_\_ Explain:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
23. \_\_\_\_\_\_\_\_
24. \_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| Score (*X*) | (*X* − *M*) | (*X* − *M*)2 |
| 68 |  |  |
| 61 |  |  |
| 72 |  |  |
| 70 |  |  |
|  |  | = |



|  |  |  |
| --- | --- | --- |
| Score (*X*) | *X*2 |  |
| 68 |  |
| 61 |  |
| 72 |  |
| 70 |  |
| **∑*X*=** | **∑*X*2 =** |

1. Show your work below
2. Show your work below
3. Be sure you can use your stats mode! Help guides are posted on Blackboard or you can use Google to find guides for your specific calculator.

|  |  |  |
| --- | --- | --- |
| Compute the *SS* using the definitional formula | | |
| Score (*X*) | (*X* − *M*) | (*X* − *M*)2 |
| 5 |  |  |
| 6 |  |  |
| 3 |  |  |
| 2 |  |  |
| 7 |  |  |
|  |  | **=** |

Confirm that you obtain the same results using the computational formula:

Compute the standard deviation

1. SS = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; σ= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Show your work below
2. \_\_\_\_\_\_\_\_
4. Show your work below
5. \_\_\_\_\_\_\_\_\_
6. Show your work below