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

**Activity 4-1**

1. \_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_
7. z = \_\_\_\_\_\_\_\_\_\_; proportion = \_\_\_\_\_\_\_\_\_\_\_\_\_ Show your work below
8. z = \_\_\_\_\_\_\_\_\_\_; proportion = \_\_\_\_\_\_\_\_\_\_\_\_\_ Show your work below

1. z = \_\_\_\_\_\_\_\_\_\_; proportion = \_\_\_\_\_\_\_\_\_\_\_\_\_ Show your work below

3. Most likely \_\_\_\_\_\_, \_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_ Least likely
4. \_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Score | 98.0 °F | 97.5 °F | 96.9 °F | 96.5 °F |
| *z* score:  = |  |  |  |  |
| Probability of a *z* score or a more extreme *z* score(Shade in the area you are interested in, and then look up the *z* score in the unit normal table) |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Score | 98.4 °F | 98.9 °F | 99.5 °F | 99.9 °F |
| *z* score:  = |  |  |  |  |
| Probability of a *z* score or a more extreme *z* score (Shade in the area you are interested in, and then look up the *z* score in the unit normal table) |  |  |  |  |

1. answered on the graph below
2. answered on the graph below
3. z for + 1.96 = \_\_\_\_\_\_\_\_\_; z for - 1.96 = \_\_\_\_\_\_\_\_\_ Show your work below
4. 98.0 97.5 96.9 96.5 98.4 98.9 99.5 99.9

*I have neither given or received nor have I tolerated others’ use of unauthorized aid*

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*