Q3:

We are given a **80% confident,** and we are asked to find the probability that is the most near 0.8 in the **Standard Normal Probabilities** diagram.

By scanning all values on the SNP diagram, we found that the value that nearest 0.8 is **0.7995**

Therefore, we got

Then, we use the equation of 7.4. Where

**TE = 23** is calculated in Q2.

**Z = 0.84.**

**is the variance** calculated in Q1.

**CP: C-F-H**

Therefore, we got the following equation.

0.84 =

Solving the equation we get