Problem 1

**Given:**



**Find:**

Confidence level

**Diagram:**

**Theory:**

Percent area under normal curve given the z score range

**Assumptions:**

Normal distribution

**Solution:**

Normalcdf(-1.13, 1.13, 0, 1) = 0.7415 or 74.15% confident

Problem 2

**Given:**

**Find:**

**Diagram:**

**Theory:**

**Assumptions:**

**Solution:**

Problem 3

**Given:**

**Find:**

**Diagram:**

**Theory:**

**Assumptions:**

**Solution:**