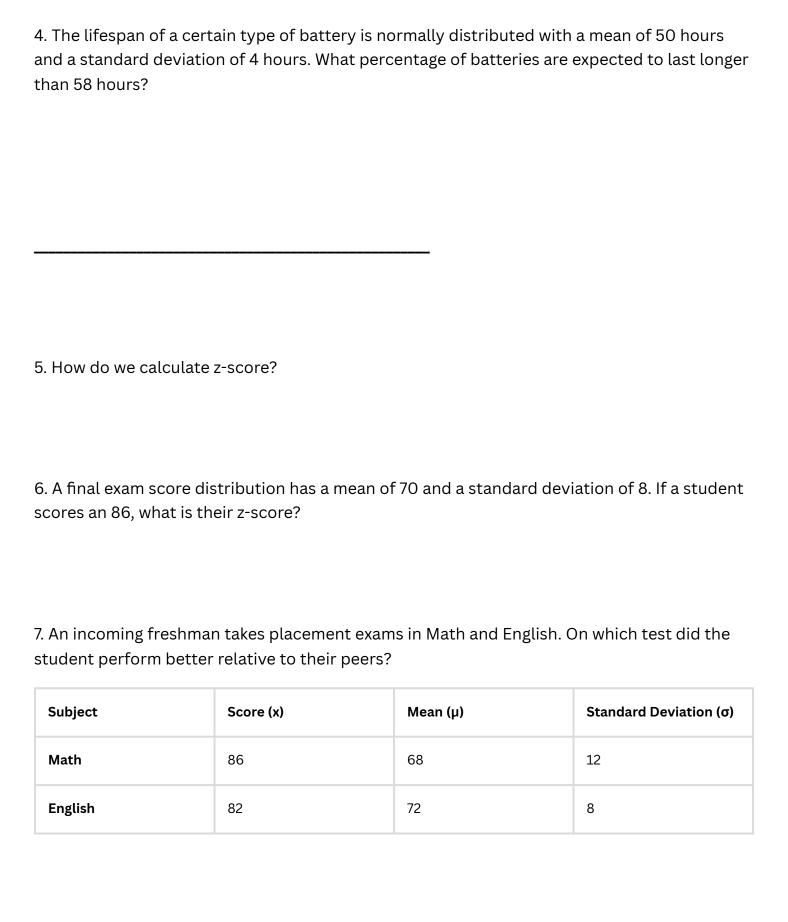
Nov 17 Worksheet

1. Draw and label a bell curve using the empirical rule
2. The scores on a national exam are normally distributed with a mean (μ) of 500 and a standard deviation (σ) of 100. Approximately what percentage of students scored between 300 and 700?
3. A machine fills bags of flour with a mean weight of 16.0 ounces. The standard deviation is 0.2 ounces. What range of weights includes the middle 68% of the bags?



8. The average weight of newborn babies in a certain hospital is 7.5 pounds with a standard deviation of 1.1 pounds. A baby is born weighing 6.0 pounds. What is the baby's z-score?