Inside of Class

Normal Distribution Lesson 2: Inverse Normal Distribution

Ex. 1

The life of a Xenon battery has a normal distribution. The mean is 33.2 weeks and the standard deviation is 2.8 weeks. If a battery is selected at random,

1. find the probability that it will last at least 35 weeks.
2. Find the maximum number of weeks for which the manufacturer can expect that not more than 8% of batteries will fail.

Ex. 2



Ex. 3



Ex. 4



Ex. 5

