

Lice are a pesky problem for school aged children and is unrelated to cleanliness. The lifetimes of lice that have fallen off the scalp onto bedding is approximately normally distributed with a mean of 2.2 days and a standard deviation of 0.4 days. What percentage of lice live:

1. between 1.8 and 2.6 days?
2. more than 3.0 days?
3. between 1.5 and 2.5 days??
4. less than 1.9 days?
5. more than 3.1 days?

Set up the integral in each case, and feel free to use Maple to approximate the value.