

# Probability and Statistics

## Percentiles Homework

1. Find the 58th percentile and 3rd quartile of an exponential distribution with parameter  $\theta = 5$ .
2. Find the 34th percentile of the uniform distribution on the interval  $[9, 26]$ .
3. Consider the sample 4,9,10,3,2,8,4,7,15,8,1,1,6,2,4,10,15,12,14.
  - (a) Find the 1st quartile, median, and 3rd quartile (don't forget to sort the data).
  - (b) Find the 20th and 60th percentiles.