1. Given a normal distribution with mean 193 and standard deviation 103, use the `pnorm` function to calculate the probability of obtaining values between 82 and 25 from this distribution.

2. Suppose we sample from a population with a normal distribution and mean 99 and standard deviation 9. Sample size is 94.

   What is the standard error going to be when sample size is 94, and what would it be when 8836?

   (a) 0.928,0.096

   (b) 1.9488,1.248

   (c) 0.464, 0.096

   (d) 0.928, 0.048

   (e) 0.464, 0.192