 A certain company decided to subject its employees to an IQ test. The mean of the IQ test was 115, with a standard deviation of 16. Assume that IQ test values follow a normal distribution.
Determine the probability that the value of the IQ test for a randomly selected en
a) less than or equal to 120,
b) greater than 105,
c) in the range of 100 to 130,
d) exactly 118.
2) The lifespan of a certain product follows an exponential distribution with a me Determine the probability that a given product:
a) will be functional for a maximum of 150 hours,
b) will be functional for at least 250 hours,
c) will be functional for exactly 180 hours.

