

LÖSUNG ZU 394

X ... Haltbarkeit einer Obstsorte in Tagen

$$\mu = 15 \quad \sigma = 1$$

a)

$$P(X < 13) = \Phi\left(\frac{13-15}{1}\right) = \Phi(-2) = 0,0228$$

b)

$$P(X \leq 14) = \Phi\left(\frac{14-15}{1}\right) = \Phi(-1) = 0,1587$$

c)

$$P(X \geq 10) = \Phi\left(-\frac{10-15}{1}\right) = \Phi(5) = 1$$

d)

$$P(13 < X < 17) = \Phi\left(\frac{17-15}{1}\right) - \Phi\left(\frac{13-15}{1}\right) = \Phi(2) - \Phi(-2) = D(2) = 0,9545$$

