

Quiz 5

November 22, 2019

Name:

Consider the random variable $Y = \min\{X_1, X_2\}$, where: X_1, X_2 are independent $\text{Exp}(2)$

1. Compute the probability density function of Y
2. Compute the expectation of Y

Remark 0.1. *The distribution function for exponential distribution is: $F_{\text{Exp}(\lambda)}(x) = 1 - \exp(-\lambda x)$*