

Quiz 3

October 28, 2019

Name

Let n be a fixed positive integer, and let X be a random variable that takes on the values $1, \dots, n$. Suppose $p_X(k) = Ck$ for $k = 1, \dots, n$, where $C > 0$ is the same for all k .

1. Determine C
2. Determine $\mathbb{E}[X]$