Group	Names

Group Quiz for Section 10.3

1. Let N be a Poisson random variable with parameter n, and let $\{X_i\}_{i=1}^{\infty}$ be i.i.d. exponential random variables, independent of N, with parameter λ . What is $\mathbb{E}\left[\sum_{i=1}^{N} X_i\right]$? Where are you using that the X_i are independent of N?