

Quiz Problem 10
Due Apr. 27th, 11:59 pm EST

Problem.

Let $X_n \stackrel{iid}{\sim} \text{Exponential}(\lambda)$ so that $\mathbb{E}[X_n] = 1/\lambda$. What is the asymptotic distribution of

$$\sqrt{n} \left(\frac{1}{\bar{X}} - \lambda \right)?$$

□