Quiz Problem 3

Due Feb. 18th, 11:59 pm EST

Problem.
Let $X_n \overset{iid}{\sim} Gamma(\alpha, \beta)$ where the PDF of a $Gamma(\alpha, \beta)$ is

$$f(x) = \frac{\beta^\alpha}{\Gamma(\alpha)} x^{\alpha-1} \exp(-\beta x) \text{ for } x > 0$$

What is a methods of moments estimator for α and β?

$\square$