

Quiz Problem 5  
Due Sept. 7th, 11:59 pm EST

**Problem.**

Let  $Y$  be a random variable with PMF given by

$$f(y) = \begin{cases} \frac{\lambda^y e^{-\lambda}}{y!} & y = 0, 1, 2, 3, \dots \\ 0, & \text{else} \end{cases}.$$

Find  $F(2)$ .

□