原於罗代被igg编滩镇辅导

Due: 5pm, Friday, 25/AUG/2017

(20)

Question 1 (Review of Probabi and Y is uniformly distributed



o independent random variables. X is a uniformly distributed in [0,3], ility density function (PDF) of X + Y.

te polfs of X and Y.

Let $polf_{x}(\cdot)$ $COF_{x+y}(a) = P(X+Y \leq 3)$

polfx(x) polfr(y) 1(x+y=z) olagolyx

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https://tutorcs.com Pdf (3-2) dx

(2)
$$pof_{T}(x) = \begin{cases} \frac{1}{3} & \chi \in [3, 6] \\ 0 & \text{otherwise} \end{cases}$$

otherwise

$$pof_{X+T}(a) = \begin{cases} 0 & 2 = (-\infty, 2003) \\ \frac{1}{9}(3-3) & 3 = (6, 9) \\ \frac{1}{9}(9-3) & 3 = (6, 9) \end{cases}$$

3 E(19, to)

