APMA 3100 Probability Pre-Class Questions

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1. True or False:

The joint PDF $f_{X,Y}(x,y)$ of two random variables X and Y can never exceed 1.

TRUE



2. Suppose that $f_{X,Y}(x,y)$ is the joint PDF of two random variables X and Y, and the sample space is: $0 \le X \le 5$, $0 \le Y \le 5$

Match the integral with what it gives:

