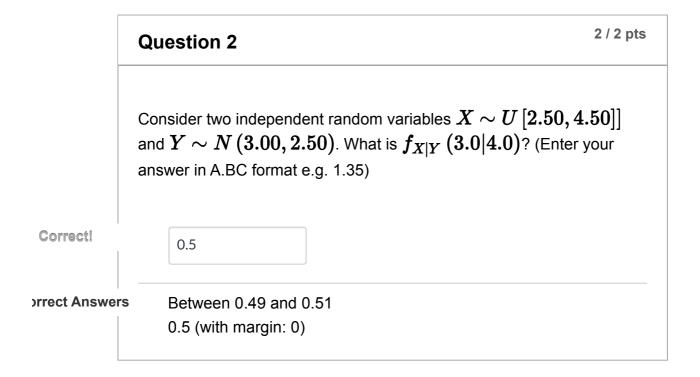
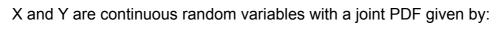
## Quiz 6 Results for Ali Asad

Score for this quiz: **8** out of 10 Submitted Apr 28 at 11:44am This attempt took 11 minutes.

## Consider two independent continuous random variables $X\sim U\left[0,2\right]$ and $Y\sim U\left[0,2\right]$ . What is $F_{X,Y}\left(0.5,0.5\right)$ ? (Enter your answer in A.BCDE format e.g. 1.3245)



Question 3	2 / 2 pts



$$f_{X,Y}\left( x,y
ight) =rac{1}{2}$$

for  $0 \le x \le 2$  and  $0 \le y \le 1$ . The joint PDF is zero for all the other values of x and y. Find the value of E[X]. (Enter your answer in A.BC format e.g. 1.35)

Correct!

1

orrect Answers

0.99 (with margin: 1.01)

1 (with margin: 0)

## **Question 4**

2 / 2 pts

For a continuous uniform random variable  $X\sim U\left[3,8\right]$  , what is  $F_{X}\left(5\right)$ ? (Enter your answer in A.BC format e.g. 1.32)

Correct!

0.5

**orrect Answers** 

0.39 (with margin: 0.41)

0.4 (with margin: 0)

## **Question 5**

2 / 2 pts

For an exponential random variable X, what is  $F_X$   $(\infty)$ ? (Enter your answer in A.BC format e.g. 1.32)

Correct!

1

orrect Answers

1 (with margin: 0)

Quiz Score: 8 out of 10