## Department of Mathematics and Statistics KFUPM STAT 301-01 Quiz#4, Time: 15 mins

Student's Name:	ID:	
Q.No.1: - Let X and Y are jointly continuous with a	joint pdf $f(x, y) = \begin{cases} 8xy \\ 0 \end{cases}$	if $0 < y \le x \le 1$ otherwise
Find the <i>pdf</i> of $Z = X + Y$ .		

Best of Luck