







X has the probability density function as given in the table:

x	1	2	3	4	5
$P(X = x)$	0.18	0.2	0.27	0.2	0.15
$xP(X = x)$					
$x^2P(X = x)$					
$\frac{1}{x}P(X = x)$					
$\frac{1}{x^2}P(X = x)$					

Y has the probability density function as given in the table:

y	1	2	3
$P(Y = y)$	0.11	0.08	0.81

A rectangle has length $\frac{1}{X}$ and width $(X + 5)$