

Name: _____

Consider the following joint probability mass function of X and Y .

		y			
$f(x, y)$		1	2	3	$f_X(x)$
x	1	0.25	0.25	0	0.5
	2	0	0.25	0.25	0.5
$f_Y(y)$		0.25	0.5	0.25	1

Find:

1. $E(X), V(X)$
2. $E(Y), V(Y)$
3. $Cov(X, Y)$