

Complete the following table and give the quantities below.

$x$	$y$	$x^2$	$xy$	$y^2$
1	0			
2	1			
3	1			
4	2			
5	3			
6	3			
7	4			
8	5			
9	5			
10	6			

$$\sum x^2 =$$

$$\sum xy =$$

$$\sum y^2 =$$

The slope  $m =$

The  $y$ -intercept  $b =$

The coefficient of correlation  $r =$