7		is given that any integer can be expressed in the form $3m+r$, where m is an integer and is 0, 1 or 2.		
Use this fact to answer the following.		this fact to answer the following.		
	(a)	By considering the different values of r , prove that the square of any integer cannot be expressed in the form $3n+2$, where n is an integer.	[4]	
	(b)	(b) Three integers are chosen at random from the integers 1 to 99 inclusive. The three integers are not necessarily different.		
		By considering the different values of r , determine the probability that the sum of these three integers is divisible by 3.		