1		e given two complex numbers- $_1$ = 8 + 7i and C_2 =-9-15i	5
	Find	a] C_{1}/C_{2} b] mod C_{1} c] show- mod $(C_{1}+C_{2}) \leq \text{mod}(C_{1}) + \text{mod}(C_{2})$	
		d] $Conj(C_1) \times Conj(C_2) = Conj(C_1 \times C_2)$ e] $mod(C_1) \mod(C_2) = mod(C_1 \times C_2)$	
2	Given	: c1= 5+2i and c2=3-7i	3
		+ 11 <i>i</i> 6 + 15 <i>i</i> 0.53 - 19 <i>i</i> 12 + 7 <i>i</i> W = 2 <i>i</i> 2 + 4 <i>i</i> 2 9.4 + 5 <i>i</i>	
	Show that: a] c1.(V+W)=c1.V+c1.W		
	b] c1.(c2.V)=(c1xc2).V	
3	How will you obtain a vector V given below from a complex vector space, u following basis B1 and B2.		3
	Do B1 and B2 form the Basis of the complex vector space ?		
	Given :B1= $\{1\ 0\ -\ 1\ 1\ 2\ 2\ 0\ 1\ 1\ \}$, B2= $\{1\ 0\ 0\ 1\ 1\ 0\ 1\ 1\ 1\ \}$,		
	and V= 4 3 8		
4	(i)	What is a complex number? How is it represented in different	2+1+1
		forms? What is its importance in Quantum Computing?	
	(ii)	What are real and complex vector spaces?	
	(iii) What are basis and dimensions?	