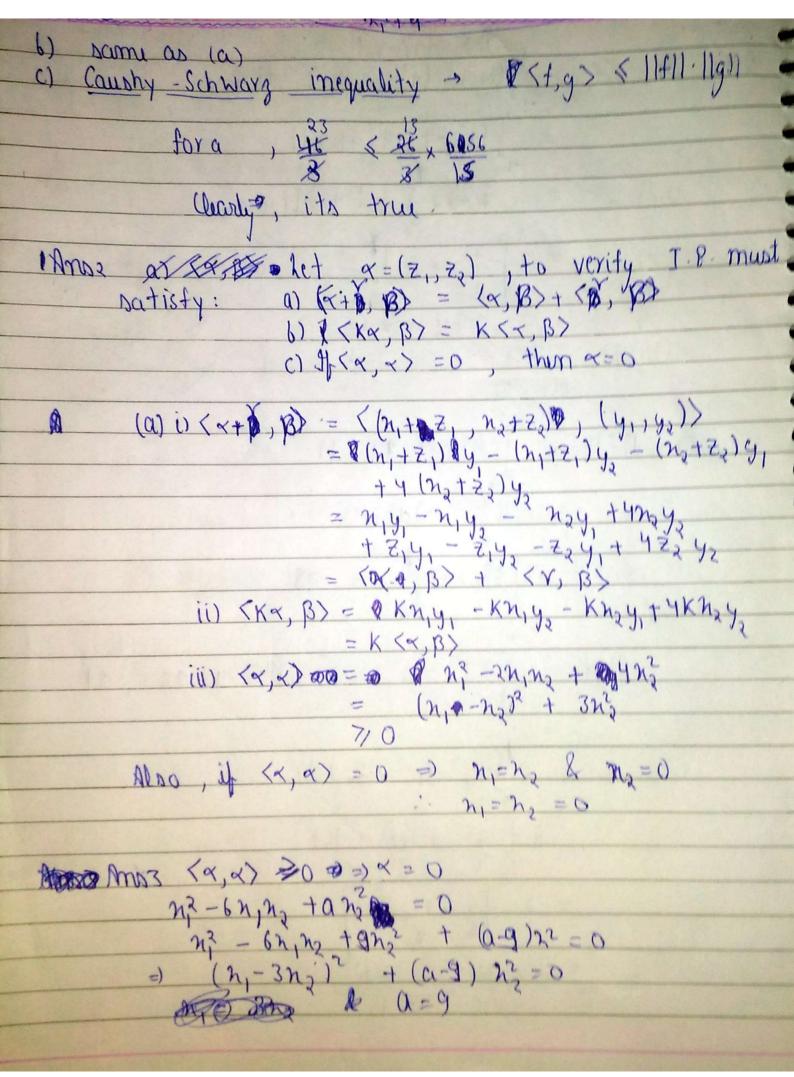
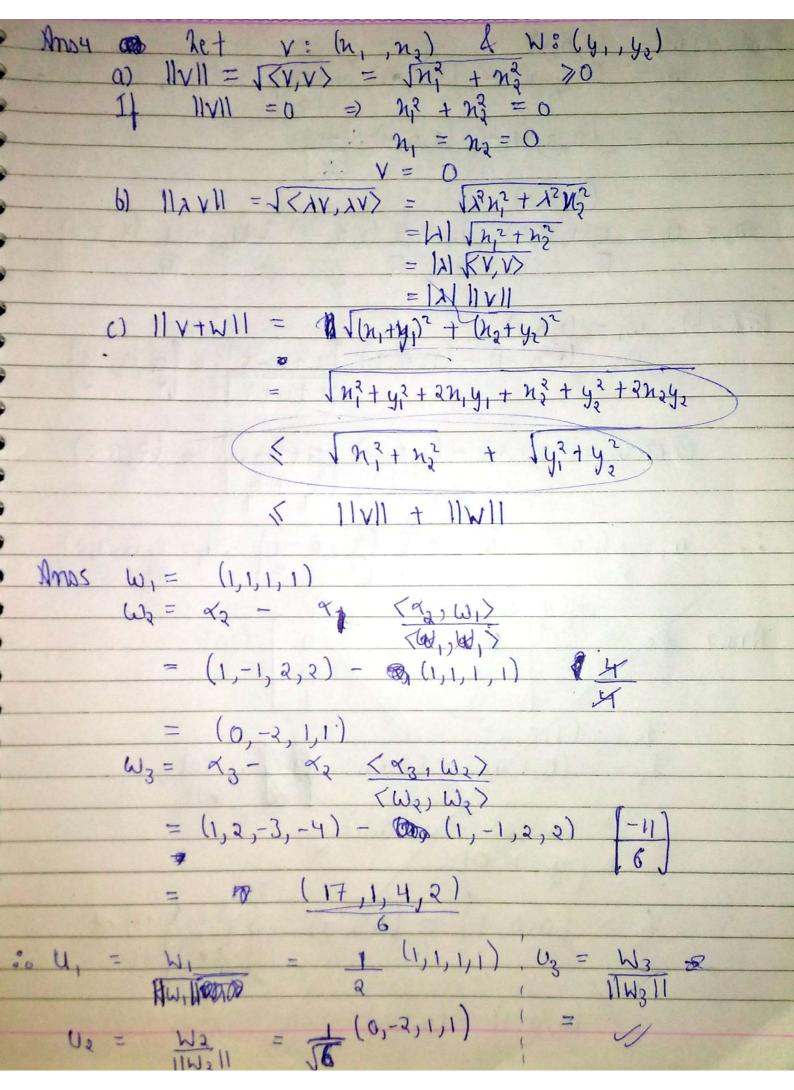
Anot a) 
$$\langle f, g \rangle = \frac{1}{3} (\frac{1}{3} + 1)^{2} + \frac{1}{3} + \frac{1}{3}$$





And (a) 
$$w_1 = (1,0,1)$$
 $w_2 = (1,0,-1) - (10,0)$ 
 $w_3 = (0,3,4) - (1,0,-1)$ 
 $w_4 = (1,0,1)$ 
 $w_4 = (1,0,1)$ 

