	Marie Harver and the Company of the Marie and Marie Annal and the High Company of the
Task 1	
	if u= \v. # XER, u and v are parallel.
	lee $(-1\lambda, 1\lambda, 3\lambda) = (4, 6, 1)$
	(-2 7 =4
	$\lambda = 6$
	し3入21 = ((f)(f)()(f)(f)(f)(f)(f)(f)(f)(f)(f)(f)(
	不存在任一實數入符合等式, (-1,1,3) 與(4,6,1)
	不為 parallel.
	V= (3, 1,2) - (3, 2,6) + (3,5)
	入(1.1)=(-3,-6),入=-3,得(1.1)與(-3,-6)paralle
	Ans: (1,2) and (-3, -6) ((0,0,2,4,8) and (5,0,1,-2,4)
	let (1+1-4+)=2, x= x (1,1,1)
Task 2:	Du=(0,4,6)-(1,5,-1)=(-1,9,1)
	V= (0,416) - (-3,1) = (3,3,5)
	X = (1,1,1,1) (2,C,1,1,1,1) (2,C,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2
	planes equations: x = (0,4,6) +5(-2,4,1)+±(3,-3,5)
	Q = 61,= >
M	
	11 418 - 19 WOLLOW X = (2,55-1) 15 (-1) 15 (-1) (3, 1) - 1 (-1), 11, 13
	2 - L
	$(2) = \frac{1}{2} \left( \frac{1}{2} - \frac{1}{2} + \frac{1}{2} - \frac{1}{2}$

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Task 2
      a = (2, -5, -1)
   let
0
        W= (0,4,6)-(2,-5,-1)=(-2,9,1)
        V= (-3,7,1)-(2,-5,-1)=(-5,12,2)
 plane equation x = (2,-5,-1)+5(-2,9,7)+t(-5,12,2)
 10 let a= (1,2,1)
  u=(2,4,2)-(1,2,1)=(1,2,1)
      V= (-3, -6, -3) - (1, 2, 1) = (-4, -8, 4)
     x= (1,2,1) + S(1,2,1) + t(-4,-8,4)
           = (1,2,1)+S(1,2,1)+-4t(1,2,1)
           = (1+S-4+) (1,2,1)
     let (1+1-4+)=2, x=2(1,1,1)
      X为直约
 3
    let a= (=,=,0)
      N=(1,1,1)-(0,0,0) = (1,1,1)
         V= (2,5,2)-(0,0,0)=(2,5,2)
    plane equation x = (0,0,0) + 5 (1,1,1) + + (1,5,2)
                  = S(1,1,1) + E(1,5,2)
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D W xx2 + O = W xx2 Task 3 Mixs to - Mixs = Mixs - Mixs 0 + M 2x5 - M 2x5 = M 2x5 - M 2x5 0 = M200 = [00000] 0 P(F) = { anx + an-1x + 1 + ... + aix + a. | ai EF} f(x) = 3.1x2 + 1x - 0.5 3.2¢N →.5¢N fax & P(N) Task 4 O False counterexample: f(x) = ax1 + b, g(x) = -ax1+b f(x)+q(x)=2b True 3 False let x = (a, b,), y = (a, b,), x + y 0 = 0  $\alpha \chi = \alpha \gamma = (0, 0)$