eg. () If 
$$z = f(u,v)$$
 where  $u = x^2 - 2xy - y^2$ 
 $\int_{0}^{2} v^2 + v^2 = v^2$ 
 $\int_{0}^{2} v^2 + v^2$ 

```
2)
   IF
       U = f(\gamma,s)
                      where
  then
                  that
         Show
           24
                   DX BU
            22
              r,5
                        7(,
                            (27)
          76
   24
                  24
   2
                                         ') )')
```

H.W O If  $u = x^2 - y^2$ , y = 2xy  $\frac{1}{3}x = f(u,v) + hen \quad \text{show that}$   $\frac{1}{3}x - y \frac{1}{3}z = 2 \quad \int u^2 + v^2 \frac{1}{3}z = \frac{1}{3}u$  (a) If u = f(x-y, y-z, z-x) + henFind  $\frac{1}{3}u + \frac{1}{3}u + \frac{1}{3}u = \frac{1}{3}x + \frac{1}{3}u = \frac{1}{3$