Plane Geometry Pair of straight lines show that the equation $bx^2 - 2hxy + ay^2 = 0$ represents a pair of straight line which are at right angles to the pair given by $a z^2 + 2h xy + by^2 = 0$ Sol. Gliven el. is ax + 2hxy +by=o -0 det el O represente y=mix and y=mex



 $m_{1}, y + \chi = 0$ f logical ideas. m2y + x = 0 Joint eg. is $(m, y + x)(m_{x} y + x) = 0$ m, m2 y2 + m, xy + m2 xy + x2=0 m, m, y2 + (m, +m2) xy + 22=0

