**Plane Geometry** Circle Diameter form of Circle  $(x - y_1)(x - x_2) + (y - y_1)(y - y_2) = 0$ (x, y2) (x,,y,)



x + y 2 + 5x - 2y - 9=0 el. of sides of rectangle 501. (Sliven ป (X × (y-y1)(y-y2)=0 1 -2 ( 2, 19,)

 $(\chi + 2) (\chi - 4) + (\gamma + 2)(\gamma - 5) = 0$  $x^2 - 4x + 2x - 8 + y^2 - 5y + 2y - 10 = 0$  $\chi^2 - 2\chi - 8 + y^2 - 3y - 10 = 0$  $x^2 + y^2 - 2x - 3y - 18 = 0$ phich is required. el.