Plane Geometry

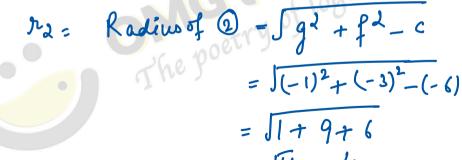
Circle Prove that the radii of the Circles

180 ve that the radii of the Circles
$$\chi^2 + y^2 = 1$$

 $x^2 + y^2 - 4x - 12y - 9 = 0$ are in A.P.

Given el. $\chi^2 + \chi^2 = 1$

$$x^{2} + y^{2} - 2x - 6y - 6 = 0$$
 -2
 $x^{2} + y^{2} - 4x - 1xy - 9 = 0$ -3
 r_{1} : Radius of $0 = 1$.
 r_{2} : Radius of $2 = \sqrt{9^{2} + 9^{2}} - \sqrt{9^{2}}$



$$n_3 = \text{Radius of } 3 = \int g^2 + f^2 - c$$

$$= \int (-2)^2 + (-6)^2 - (-9)^2$$

$$= \int (4 + 36 + 9)^2$$

14, n, n, n = 1, 4, 7 Hance radii are in A.P. Jacas.
The poetry of logical ideas.