Examination. Intermediate Math. OF=c=ae; OX=a $PF = r = \alpha - e \psi$ (1); By previous demons. $V = 0D = 0F + FD = \alpha e + r \cos \theta$ Subt. (1) $r = a - ae^2 - re \cos \theta$ $r(1+l\cos\theta)=\alpha(1-\ell^2)$ $r = \frac{\alpha(1-\ell^2)}{1+\ell \cot \theta} \quad \text{ans.}$ 4 12

