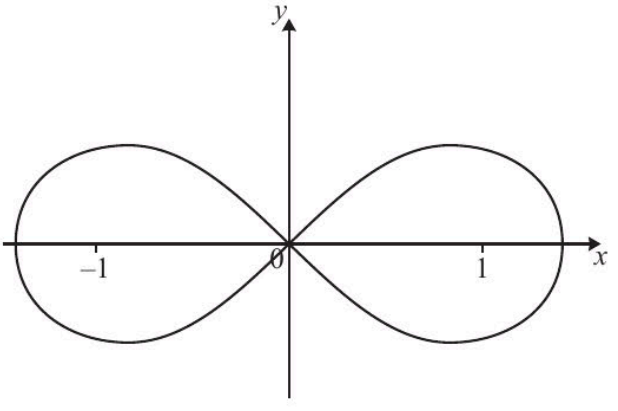
14 The graph below shows the curve with equation $(x^2+y^2)^2 = 2(x^2-y^2)$.



Show that the stationary points of the curve lie on the circle with centre the origin and radius 1 unit. **[6]**