

12 Fig. 12 shows the curve $2x^3 + y^3 = 5y$.

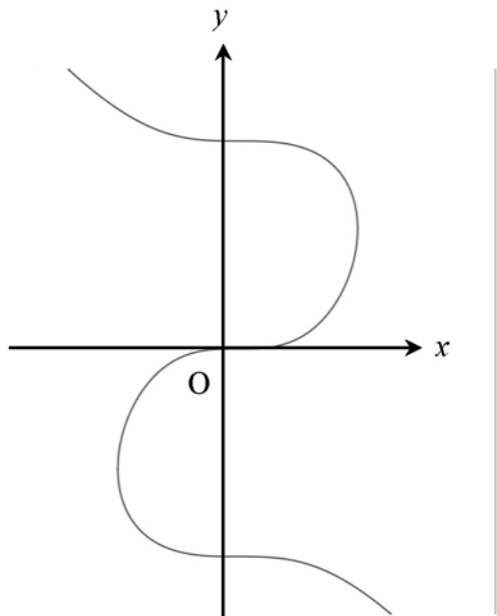


Fig. 12

- (a) Find the gradient of the curve $2x^3 + y^3 = 5y$ at the point $(1,2)$, giving your answer in exact form. [4]
- (b) Show that all the stationary points of the curve lie on the y -axis. [2]