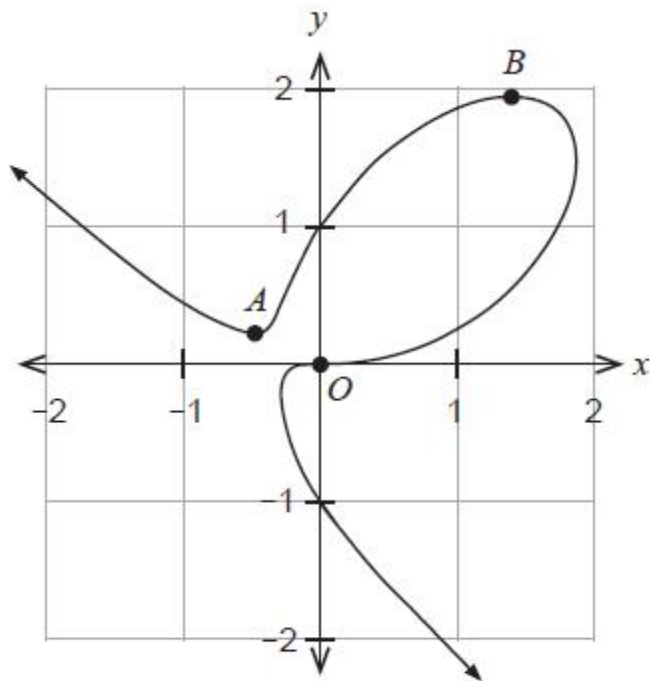


Question 18**(6 marks)**

The equation $x^3 + y^3 = 3xy + y$ implicitly defines the curve shown below.



- (a) Using implicit differentiation obtain the expression for $\frac{dy}{dx}$. (3 marks)