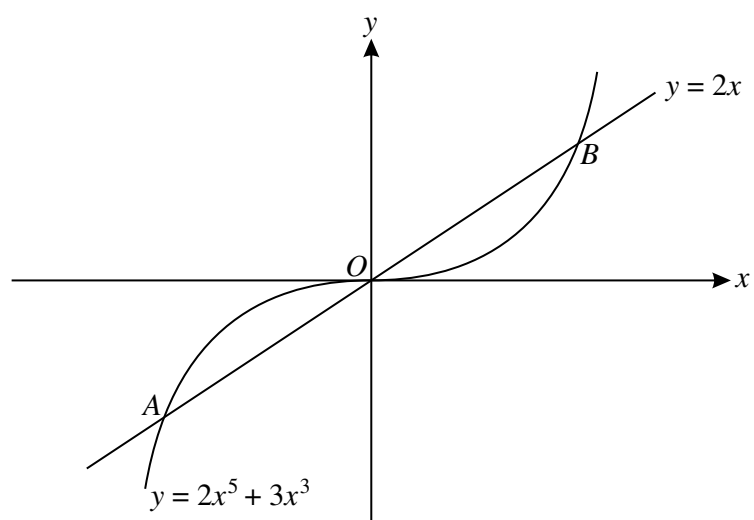


3



The diagram shows the curve $y = 2x^5 + 3x^3$ and the line $y = 2x$ intersecting at points A , O and B .

- (i) Show that the x -coordinates of A and B satisfy the equation $2x^4 + 3x^2 - 2 = 0$. [2]
- (ii) Solve the equation $2x^4 + 3x^2 - 2 = 0$ and hence find the coordinates of A and B , giving your answers in an exact form. [3]