

(i) Find the equation of the curve.

- [4]
- (ii) A line with gradient $-\frac{1}{2}$ is a normal to the curve. Find the equation of this normal, giving your answer in the form ax + by = c. [4]
- (iii) Find the area of the region enclosed by the curve, the x-axis and the lines x = 1 and x = 2. [4]