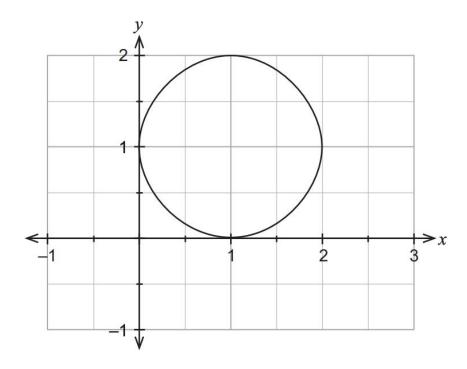
The curve shown below is given by the equation $(y-1)^2 = \sin\left(\frac{\pi x}{2}\right)$.



(a) Calculate the area, correct to 0.0001 square units, of the region that forms the interior of this curve. (3 marks)

(b)	By using the answer to part (a), determine whether this curve is a circle. Explain answer.	your (2 marks)