

8

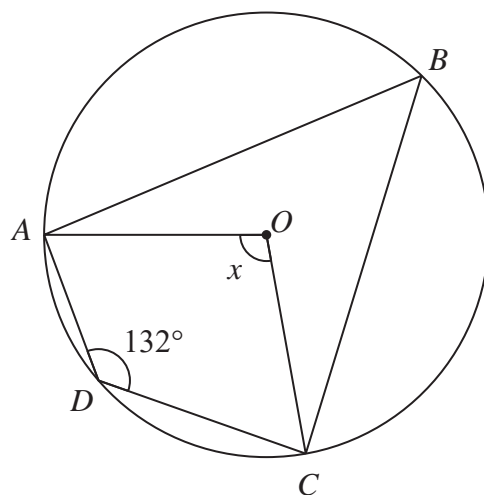


Diagram **NOT**  
accurately drawn

$A$ ,  $B$ ,  $C$  and  $D$  are points on a circle, centre  $O$ .

Angle  $ADC = 132^\circ$

Calculate, in degrees, the size of angle  $x$ .

(Total for Question 8 is 2 marks)

9  $y = 4x^3 - \frac{7}{x^2}$

Find  $\frac{dy}{dx}$

$$\frac{dy}{dx} = \dots\dots\dots$$

(Total for Question 9 is 2 marks)

