

8 $y = 4x^5 - \frac{8}{x^2}$

Find $\frac{dy}{dx}$

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

(Total for Question 8 is 2 marks)

9

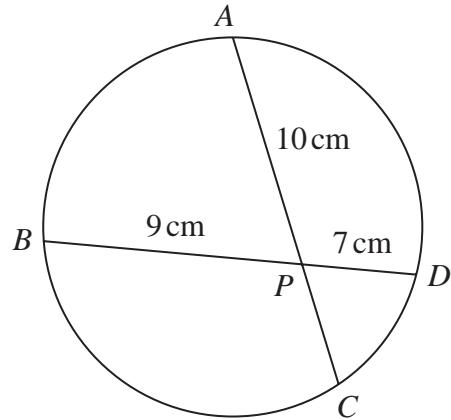


Diagram NOT
accurately drawn

A, B, C and D are four points on a circle.

The chord AC intersects the chord BD at P

$$AP = 10 \text{ cm} \quad BP = 9 \text{ cm} \quad PD = 7 \text{ cm}$$

Calculate the length, in cm, of PC

..... cm

(Total for Question 9 is 2 marks)

