# K Education Centre

## GCSE Maths - Higher

Area and Volume -1
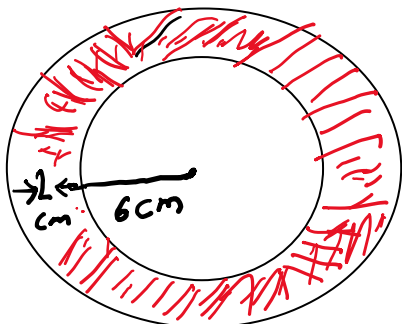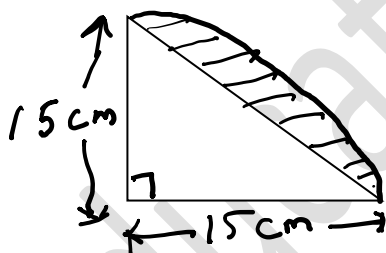
Assignment Questions

**Q1 : Find the radius of the circle if its circumference is 32 cm.**
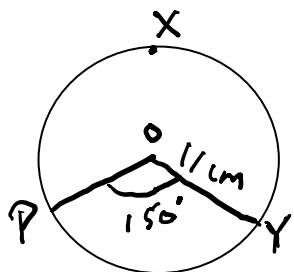
**Q2: Find the area of the shaded region:**



**Q3:  The roller used on cricket pitch has a radius of 80 cm. A cricket pitch has a length of 30 m . How many complete revolutions does the roller make while rolling the pitch?**
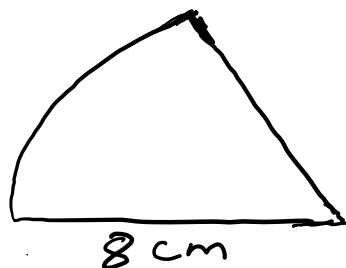
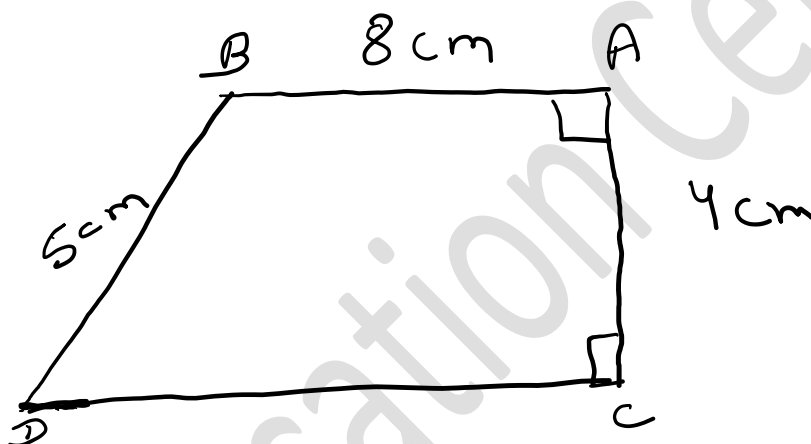**Q4: Find the area of the shaded region. Give the answer in terms of $\pi$ .**



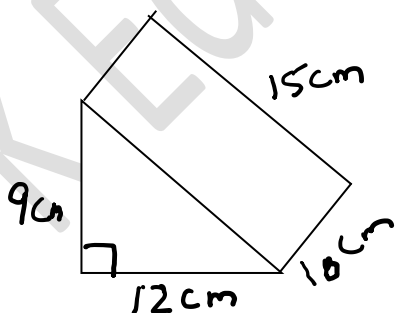**Q5: Find the length of arc PXY , O is the centre of the circle.**

**Q6 : The arc length of this sector is 8 cm . Find the area of the sector.**

8 cm

**Q7: Find the area of trapezium**

B    8 cm    A

5cm

4 cm

D        C

**Q8: Find the volume and total surface area of triangular prism**

15cm

9cm

10 cm

12cm

**Q10: Find the volume and total-surface area of this prism.**

7cm

8cm

4cm

11 cm