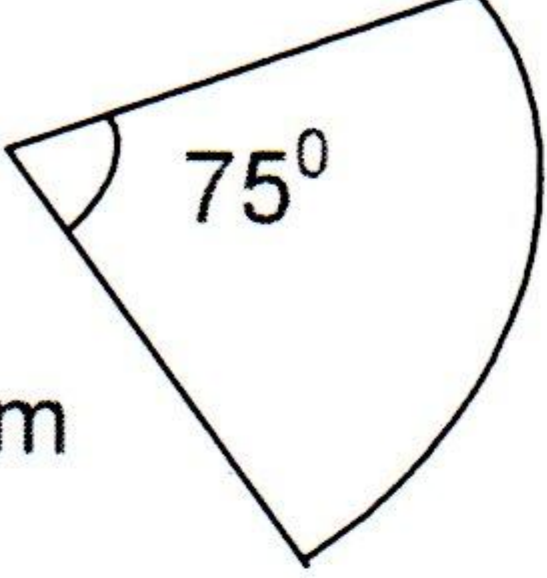
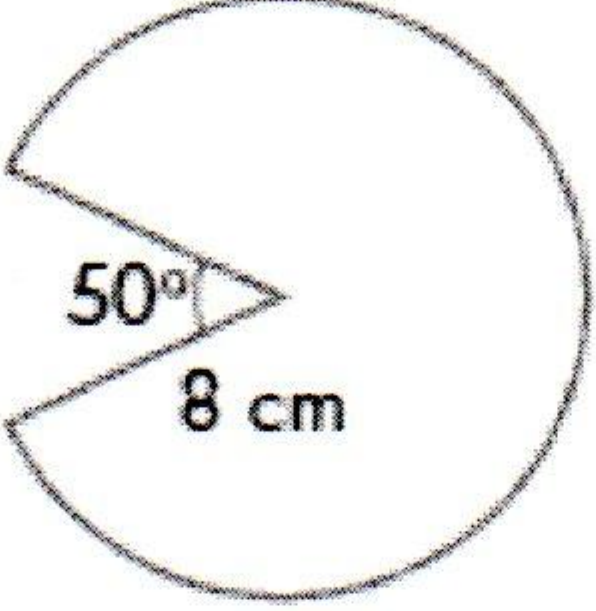
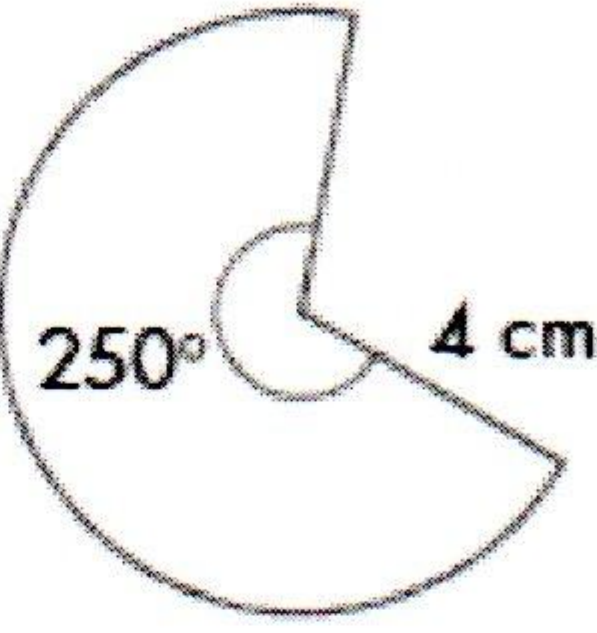
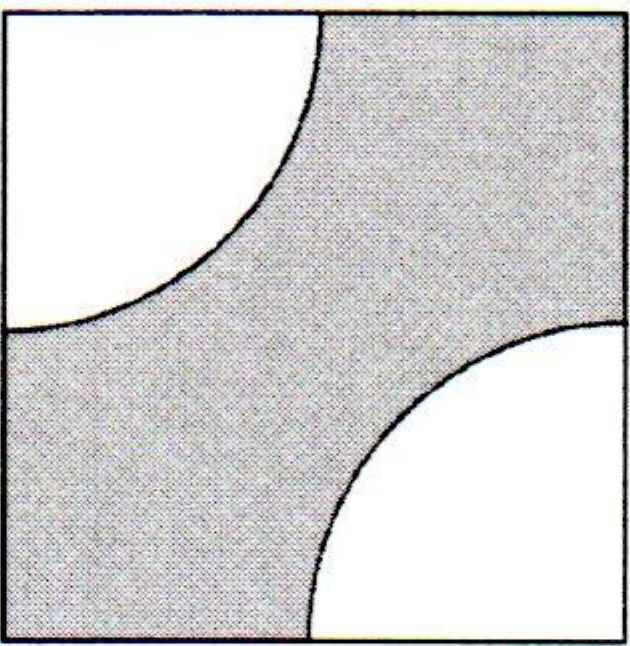
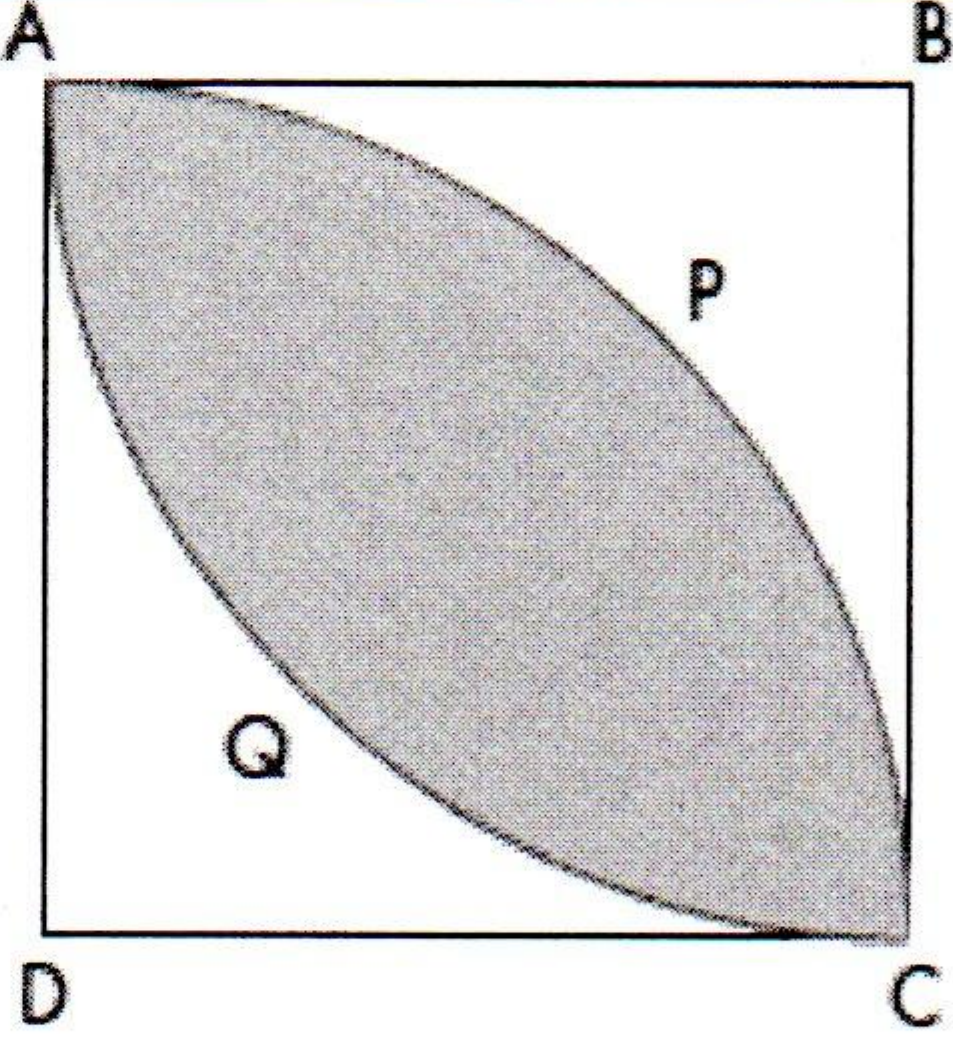


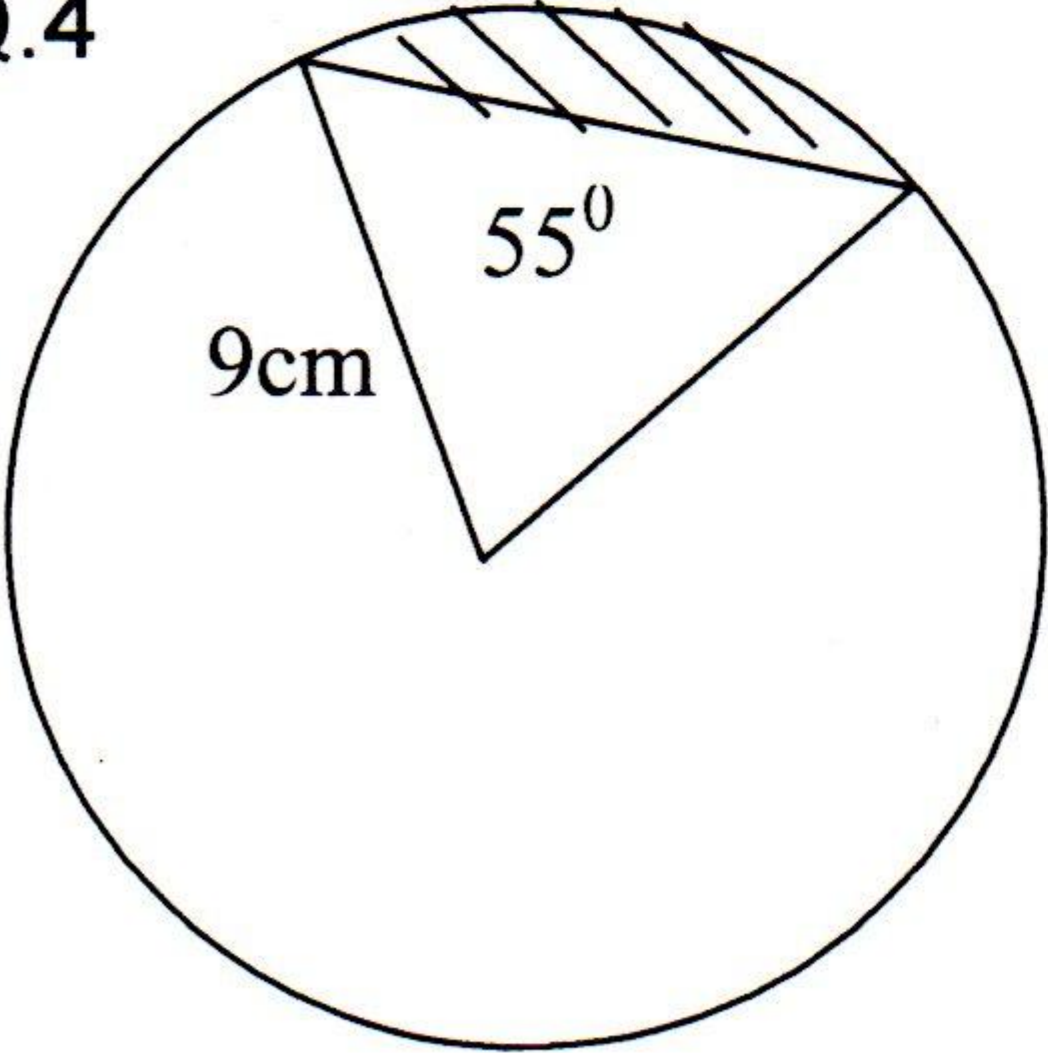
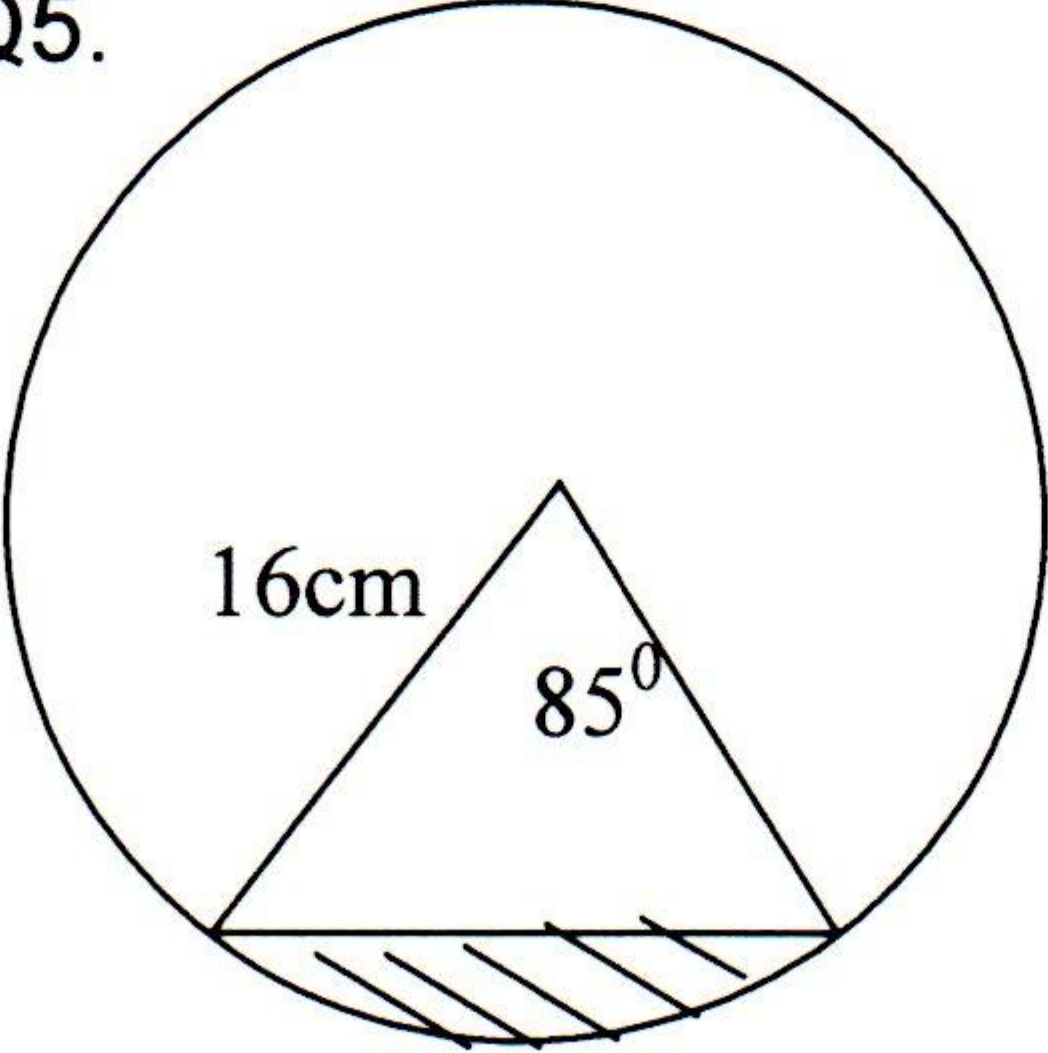
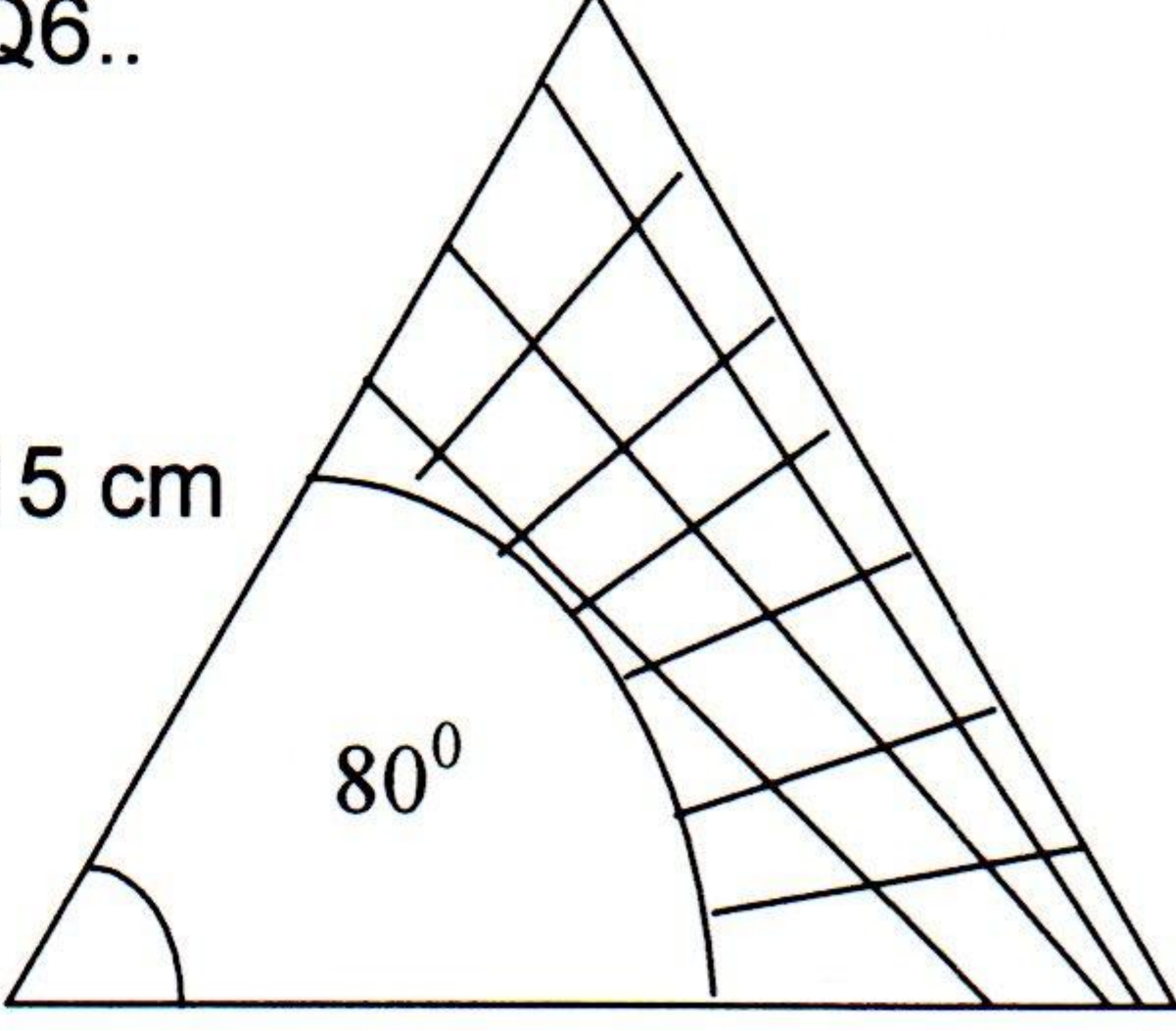
Shapes (Area and volume)

Q1.For each of these sectors, calculate i the arc length ii the sector area iii the perimeter
Diagram Not Accurately Drawn.

<p>a.</p>  <p>6cm</p> <p>Arc=_____</p> <p>Are=_____</p> <p>Perimeter=_____</p>	<p>b.</p>  <p>8 cm</p> <p>Arc=_____</p> <p>Area=_____</p> <p>Perimeter=_____</p>	<p>c.</p>  <p>4 cm</p> <p>Arc=_____</p> <p>Area=_____</p> <p>Perimeter=_____</p>
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<p>2. The diagram shows a square and two quarter circles.</p> <p>The square has sides of 8 cm.</p> <p>The radius of each circle is 4 cm.</p> <p>Find the area of the shaded region.</p>	
<p>3. ABCD is a square of side length 8 cm.</p> <p>APC and AQC are arcs of the circles with centres D and B.</p> <p>Calculate the area of the shaded part.</p>	

Calculate the area of the segment shaded in each circle.

<p>Q.4</p>  <p>9cm</p> <p>55⁰</p> <p>Area of segment:_____</p>	<p>Q5.</p>  <p>16cm</p> <p>85⁰</p> <p>Area of segment:_____</p>	<p>Q6..</p>  <p>15 cm</p> <p>80⁰</p> <p>12 cm</p> <p>Area of segment:_____</p>
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