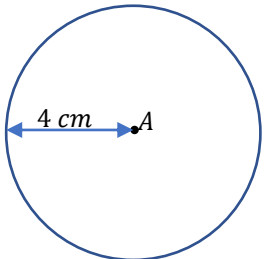
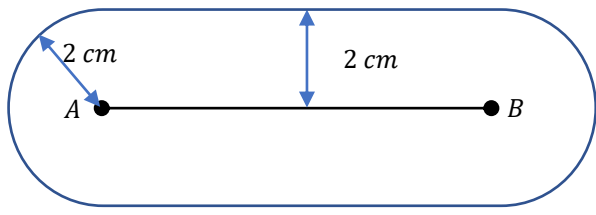
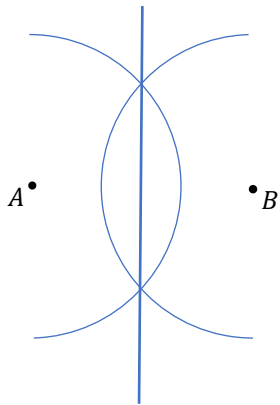
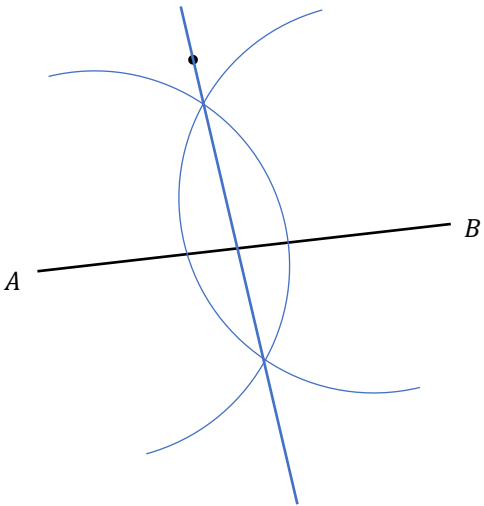
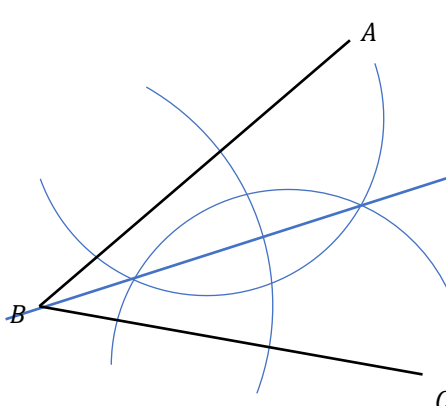
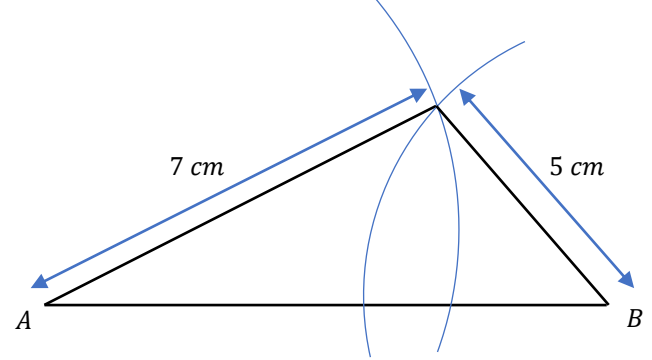
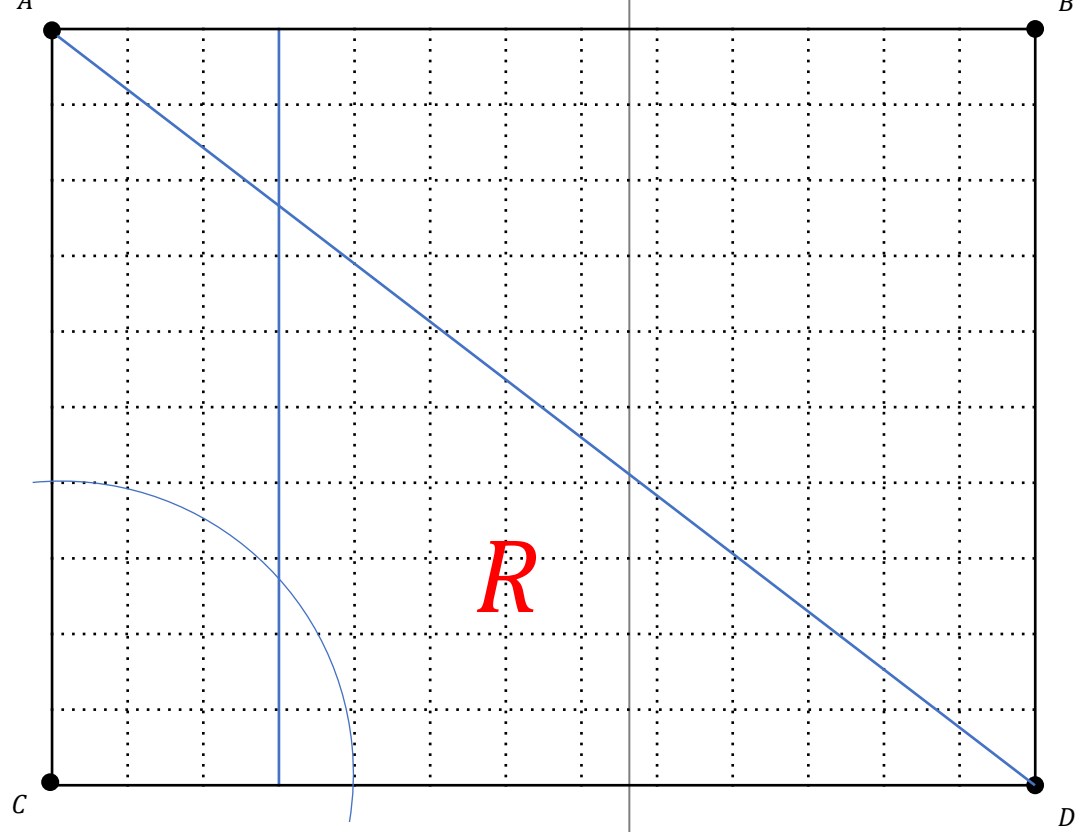


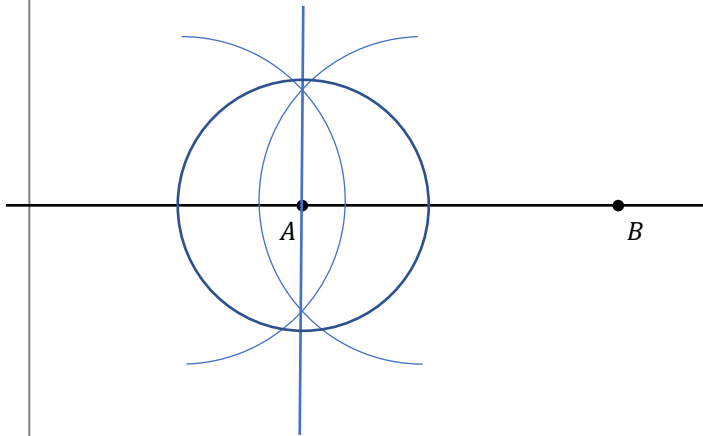
Loci & Constructions Mark Scheme		
1(a)		[1] Circle with centre A and radius of 4cm
1(b)		[2] Semi-circles draw at A and B with radius of 2 cm and connected parallel to the line AB
2		[2] Bisector of two partial circles drawn with centres A and B, each with an equal radius larger than $\frac{1}{2} AB$ and less than AB.
3		[2] Line perpendicular to AB passing through point P
4(a)	The bisector of an angle is a line segment which divides the angle into two equal parts.	[1]

Turn over ►

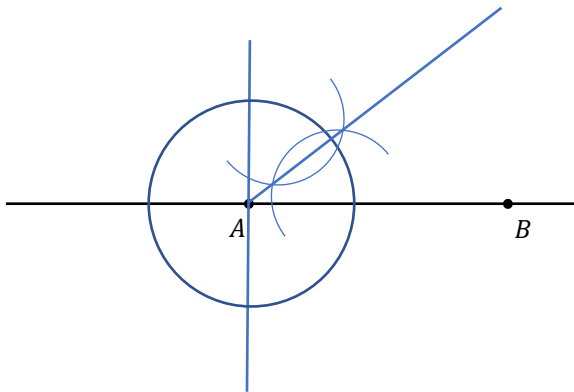
<p>4(b)</p>		<p>[2] Correctly drawn angle bisector</p>
<p>5</p>		<p>[3] Interaction of two circles from point A and B with a radius of 7 cm and 5 cm respectively</p>
<p>6</p>		
<p>Shown above</p>		<p>[3] Correctly identified region R</p>

Turn over ►

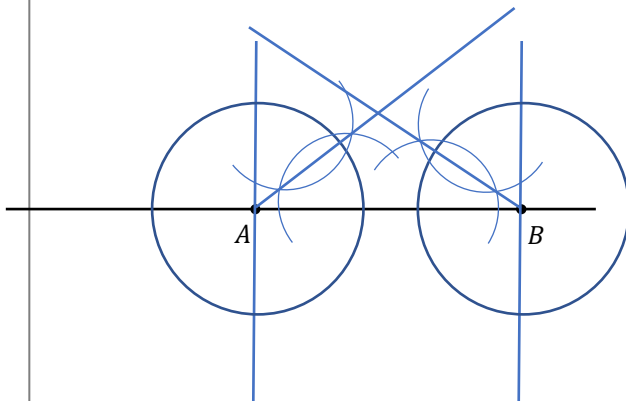
7



**[1]** Perpendicular line to point  $A$  (or  $B$ ) with compass lines shown



**[1]** Bisect the  $90^\circ$  angle formed with compass lines shown



**[1]** repeat steps 1 and 2 for other side to form triangle with compass lines shown

**End of questions**

END