



1. A circle with centre at $(0, 0)$ passes through $(3, 0)$.

Choose one word from this list to complete the sentence.

tangent

radius

arc

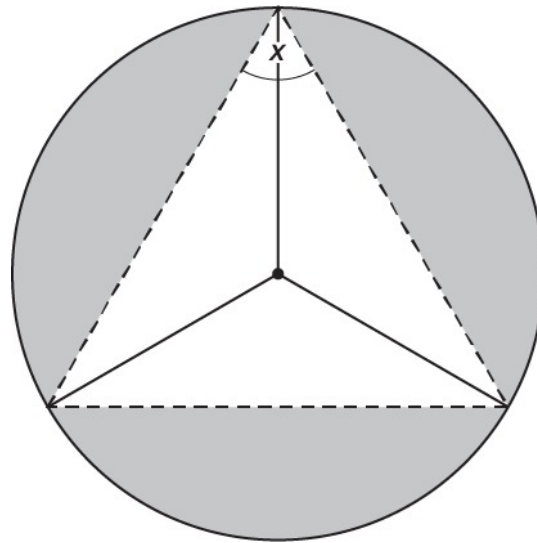
diameter

The straight line joining $(0, 0)$ and $(3, 0)$ is a of the circle.

[1]



2. This is a logo.
It is made by drawing three congruent triangles inside a circle.



Not to scale

From this list, choose the name for one of the **solid** straight lines in the logo.

Chord

Diameter

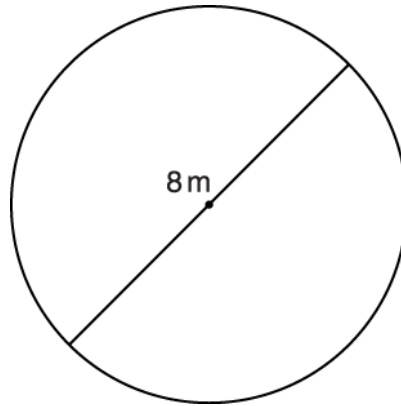
Tangent

Radius

..... [1]



3(a). Amy has a circular lawn.
Its diameter is 8 metres.



A diameter is drawn on the diagram.

Complete the statement, using a word from this list.

tangents	semicircles	chords
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A diameter splits any circle into two

[1]

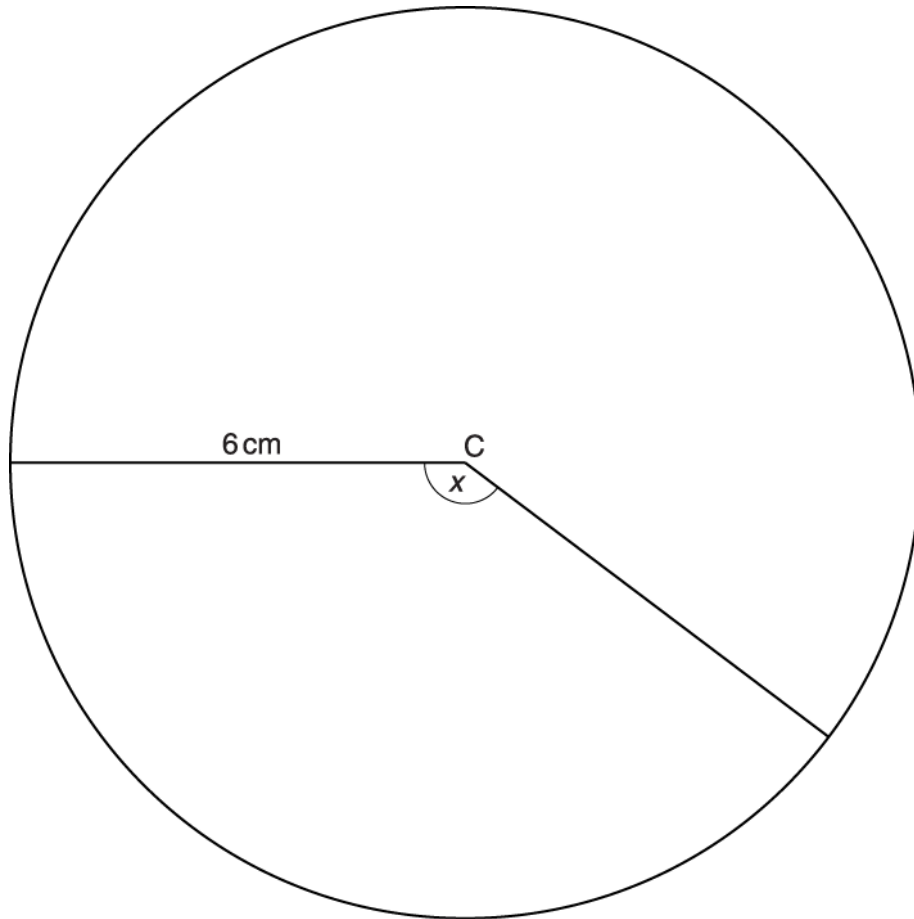


(b). Write down the radius of Amy's lawn.

..... m [1]



4. Here is a circle.



Complete the sentences below using words from this list.

perimeter radius circumference centre diameter

The of the circle is at C.

The circle has a of 6 cm.

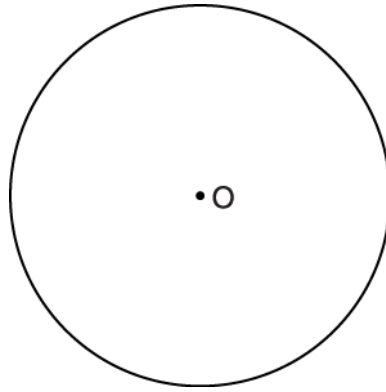
The of the circle is 12 cm.

[3]



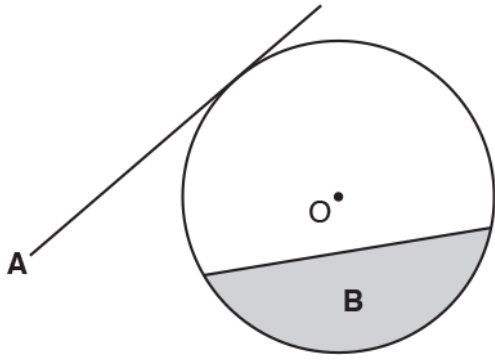
5. On this circle, centre O, draw a radius.

[1]





6(a). The diagram shows a circle, centre O.



Write down the mathematical name of line A.

----- [1]



(b). Write down the mathematical name of shaded region B.

----- [1]

END OF QUESTION PAPER

Question			Answer/Indicative content	Marks	Part marks and guidance	
1			Radius	1	<u>Examiner's Comments</u> This was not well answered. A few circles were drawn on the diagram. All the responses were offered at some time by candidates.	
			Total	1		
2			Radius	1		
			Total	1		
3	a		Semicircles	1	<u>Examiner's Comments</u> This was very well done with no pattern to the wrong choices for "semicircle".	
	b		4	1	Condone 400 cm <u>Examiner's Comments</u> A common wrong answer was 8 m.	
			Total	2		
4			centre	1	<u>Examiner's Comments</u> Many candidates recognised the appropriate terms for the circle. A small number confused radius with diameter.	ignore spelling
			radius	1		
			diameter	1		
			Total	3		

Question			Answer/Indicative content	Marks	Part marks and guidance	
5			Radius drawn	1	<p>Examiner's Comments</p> <p>The majority of candidates were able to draw a radius, there were a few diameters and a smaller number of chords drawn.</p>	<p>Allow within 1mm of the circumference and/or centre by eye</p> <p>Allow freehand</p>
			Total	1		
6	a		tangent	1	Ignore spelling providing intention is clear	
	b		segment	1	Ignore spelling providing intention is clear	
					<p>Examiner's Comments</p> <p>Recall of circle terminology proved difficult for many. In part (a) some correct responses were given, but many varied wrong answers including radius, circumference, straight line and chord were also given. Only a handful of 'segments' were seen in part (b), more put 'sector' with others stating 'chord'. This part was not answered by a number of candidates.</p>	
			Total	2		