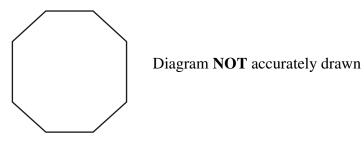
				(2 m
			Diagram NOT accurately drawn	
Work out th	ne size of an exterior an	ngle of a regular	r pentagon.	
				° (2 m
			Diagram NOT accurately drawn	•••••
			Diagram NOT	•••••
Calculate th	ne size of the exterior an	ngle of a regula	Diagram NOT accurately drawn	•••••

Each exterior angle of a regular polygon is 30° .

1.

Work out the number of sides of the regular polygon.	
	(2 mar
The size of each interior angle of a regular polygon is 156°. Work out the number of sides of the polygon.	
	(3 mar
Here is a regular polygon with 9 sides.	
Diagram NOT accurately	drawn
Work out the size of an exterior angle.	
	o



(a) Work out the size of each interior angle of a regular octagon.

	(3)

The size of each exterior angle of a regular polygon is 30^{0}

(b) Work out the number of sides of the polygon.



8.

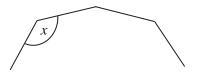


Diagram NOT accurately drawn

The diagram shows part of a **regular** 10-sided polygon.

Work out the size of the angle marked x.

0	
(3 ma	ırks

9.

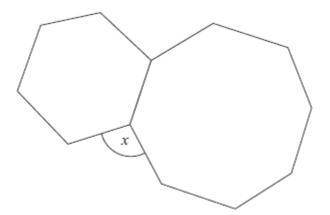
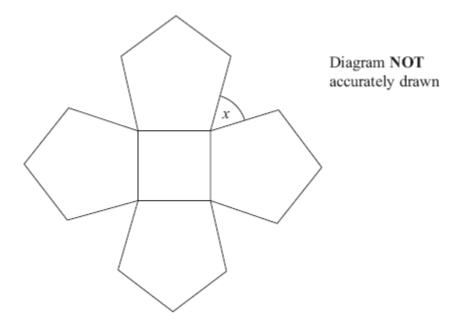


Diagram NOT accurately drawn

The diagram shows a regular hexagon and a regular octagon.

Calculate the size of the angle marked x. You must show all your working.

(4 marks)



The diagram shows a square and 4 regular pentagons.

Work out the size of the angle marked x.

	0
	(4 marks)

11.

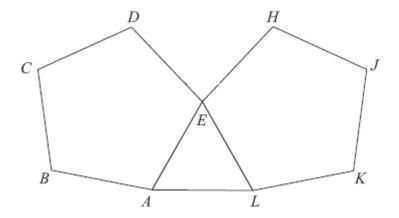


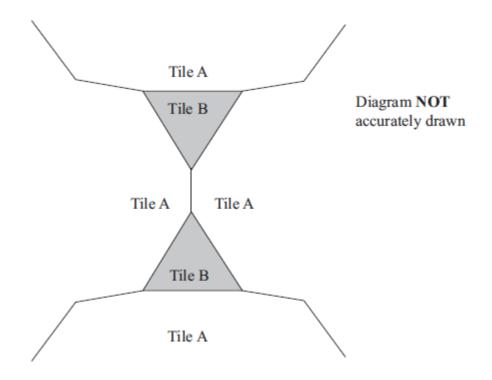
Diagram **NOT** accurately drawn

ABCDE and EHJKL are regular pentagons. AEL is an equilateral triangle.

Work out the size of angle *DEH*.

c		(4 marks)
	 	 c

12. The diagram shows part of a pattern made from tiles.



The pattern is made from two types of tiles, tile A and tile B.

Both tile A and tile B are regular polygons.

Work out the number of sides tile A has.

(4 marks)