Interior and Exterior A	ngles -	regular	polygons
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Name:	ame: Class:			
		Mark	/ 8	%

[1]

[1]

[1]

1) Find the interior angle sum of the polygon shown below



2) Find one interior angle of a regular polygon with 7 sides, giving your answer to 3 significant figures where necessary

3) Find the exterior angle sum of the polygon shown below



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4) Find one exterior angle of the regular polygon shown below, giving your answer to 3 significant figures where necessary



	[1]
5) One exterior angle of a regular polygon is 36°. Find the number of sides of the polygon.	[1]

6)	One interior angle of a reg	ular polygon is 135	^o . Find the number of sides of the polygon.	1]
	6 6	1 20	1 20 -	

7) Complete the sentence below:	[1]
4 equilateral triangles and hexagon(s) will tessellate together.	

8) Complete the sentence below with the name of a regular polygon:	[1]

2 regular octagons and 1 will tessellate together.

Solutions for the assessment Interior and Exterior Angles - regular polygons

1) Interior angle sum = 720°	2) Interior angle = 129°
3) Exterior angle sum = 360°	4) Exterior angle = 45°
5) n = 10	6) n = 8
7) 1	8) square

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