| Name: | Class: | Date: |  |
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|  |  | Mark | $/ 8$ |
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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
4) Find one exterior angle of the regular polygon shown below, giving your answer to 3 significant figures where necessary

5) One exterior angle of a regular polygon is $36^{\circ}$. Find the number of sides of the polygon.
6) One interior angle of a regular polygon is $135^{\circ}$. Find the number of sides of the polygon.
7) Complete the sentence below:

4 equilateral triangles and ...... hexagon(s) will tessellate together.
8) Complete the sentence below with the name of a regular polygon:

2 regular octagons and 1 $\qquad$ will tessellate together.

Solutions for the assessment Interior and Exterior Angles - regular polygons

1) Interior angle sum $=720^{\circ}$
2) Exterior angle sum $=360^{\circ}$
3) $\mathrm{n}=10$
4) 1
5) square
