Properties of 2D Shapes

Explore sides, angles and symmetry

Name _____ Date _____

Look carefully at each shape. Record its properties and show your thinking in the spaces provided.

1 Quadrilaterals

For each labelled shape, complete the table.



A



B



C



D

Shape	Pairs of parallel sides	Pairs of equal sides	Lines of symmetry
A			
B			
C			
D			

2 Triangles

For each triangle, name it by its sides and classify its largest angle as acute, right or obtuse.



A



B

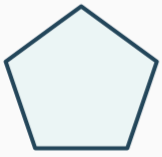


C

Triangle	Name by its sides	Largest angle
A		
B		
C		

3 Polygons and symmetry

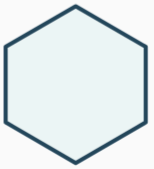
Write each polygon’s name and number of sides. On the regular hexagon, draw all its lines of symmetry.



Regular pentagon

Name: _____

Sides: _____



Regular hexagon

Name: _____

Sides: _____

Challenge: Draw a polygon with exactly one line of symmetry. Show the line of symmetry too.