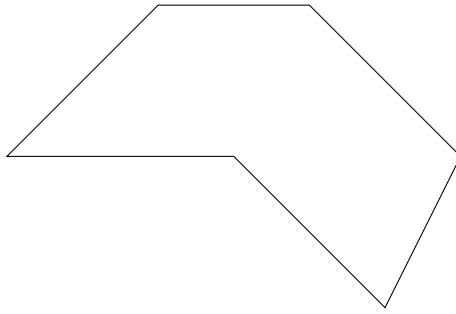
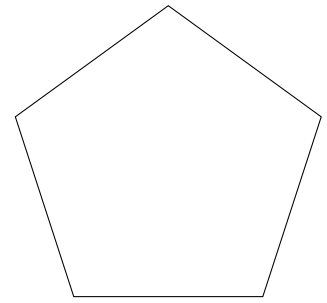


1. (a) Write down the mathematical names of these polygons. {pent/ hex/ oct/ dec/ -agon}

(i)



(ii)



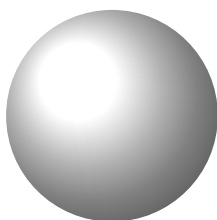
- (b) How many sides has a decagon?

2. (a) Here are 4 solid shapes. {plus cuboid, cone, hexagonal prism and pyramid}
Match each solid shape to its mathematical name.
One has been done for you.

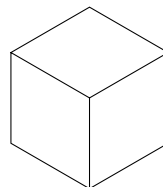
The shapes on the left are: a pentagonal prism, a square-based pyramid, a triangular prism, and a triangular-based pyramid. The labels in boxes on the right are: Pentagonal prism, Square based pyramid, Triangular prism, and Triangular based pyramid. An arrow points from the pentagonal prism to the 'Pentagonal prism' label.

- (b) Write down the mathematical names of each of these 3-D shapes.

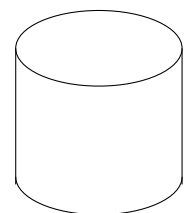
(i)



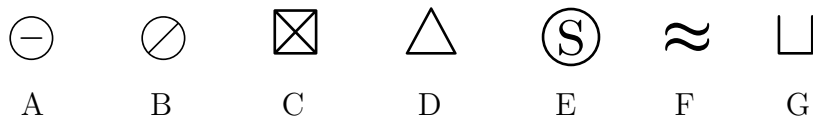
(ii)



(iii)



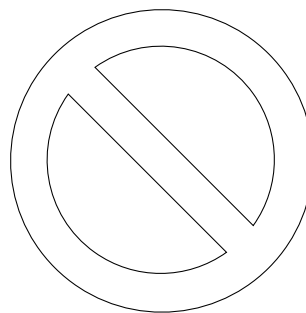
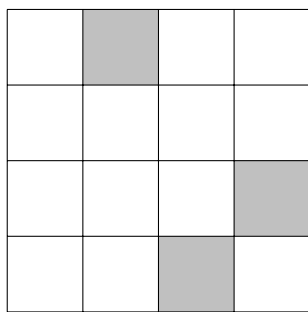
3. (a) Here are seven symbols.



Two of these symbols have exactly 2 lines of symmetry.

Write down these **two** letters.

(b) On the shape {below left}, shade **one** square so that the shape has 2 lines of symmetry.



(c) On the shape {above right}, draw all the lines of symmetry.

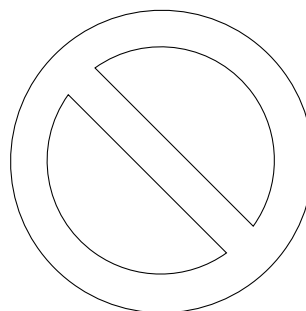
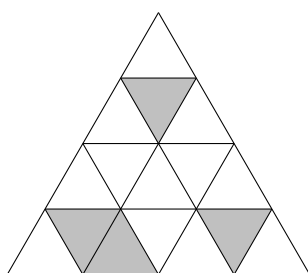
4. (a) Here are nine symbols.



Two of these symbols has rotational symmetry of order 2 and no line symmetry.

Write down the letters of these **two** symbols.

(b) On the shape below{left}, shade **one** square so that the shape has 2 lines of symmetry.



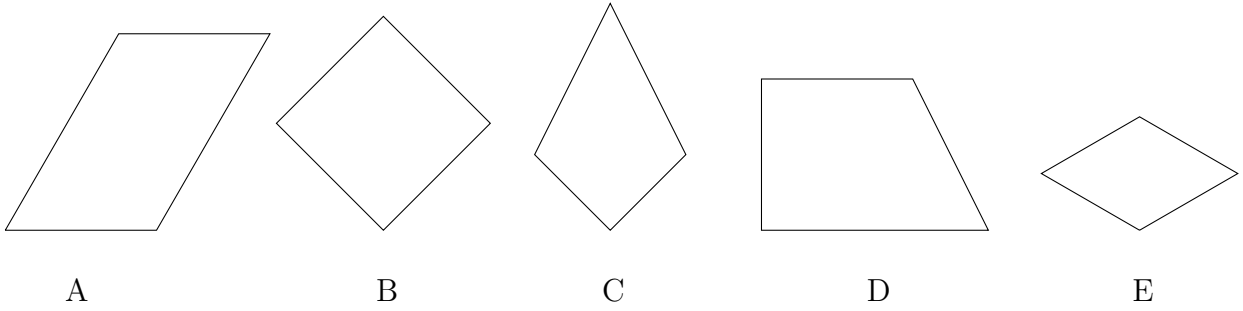
(c) The shape {above right}, has rotational symmetry.

Write down the order of rotational symmetry of this shape.

(d) The shape {above right}, has rotational symmetry of order 2.

Mark with a cross (×) the centre of rotation.

5. (a) Here are five quadrilaterals. {also rectangle, square}
{also equilateral, isosceles, right and scalene triangles}



- (i) Write down the mathematical name of quadrilateral **D**
(ii) Write down the letter of the rhombus.
- (b) A triangle {or quadrilateral} has three {or four or no} equal angles {or sides}
Write down the mathematical name of this triangle.
- (c) On the grid below, draw an isosceles triangle. {or parallelogram or trapezium}

