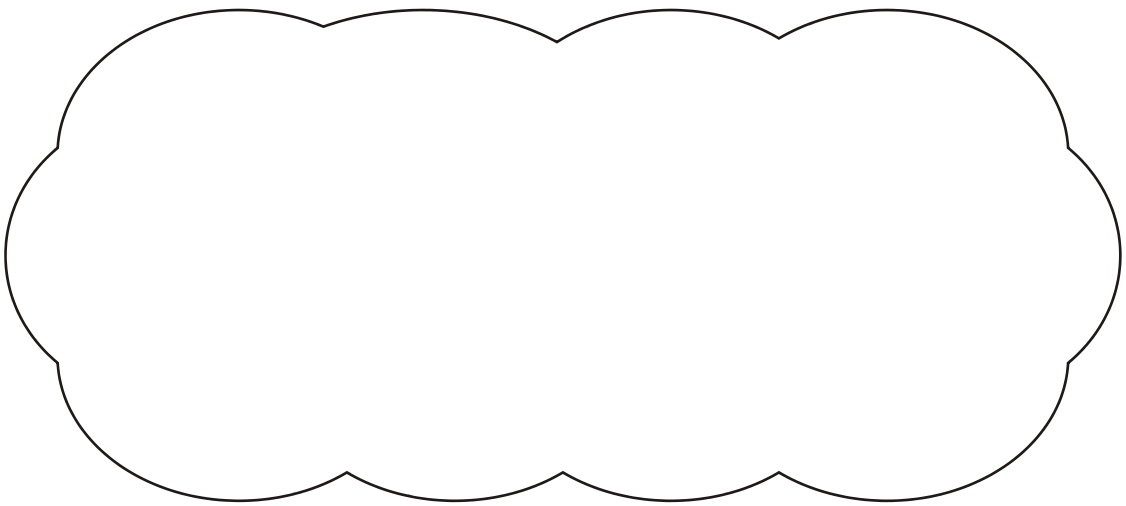
1. A square always has four sides.

Is it true that a four-sided shape is **always** a square?

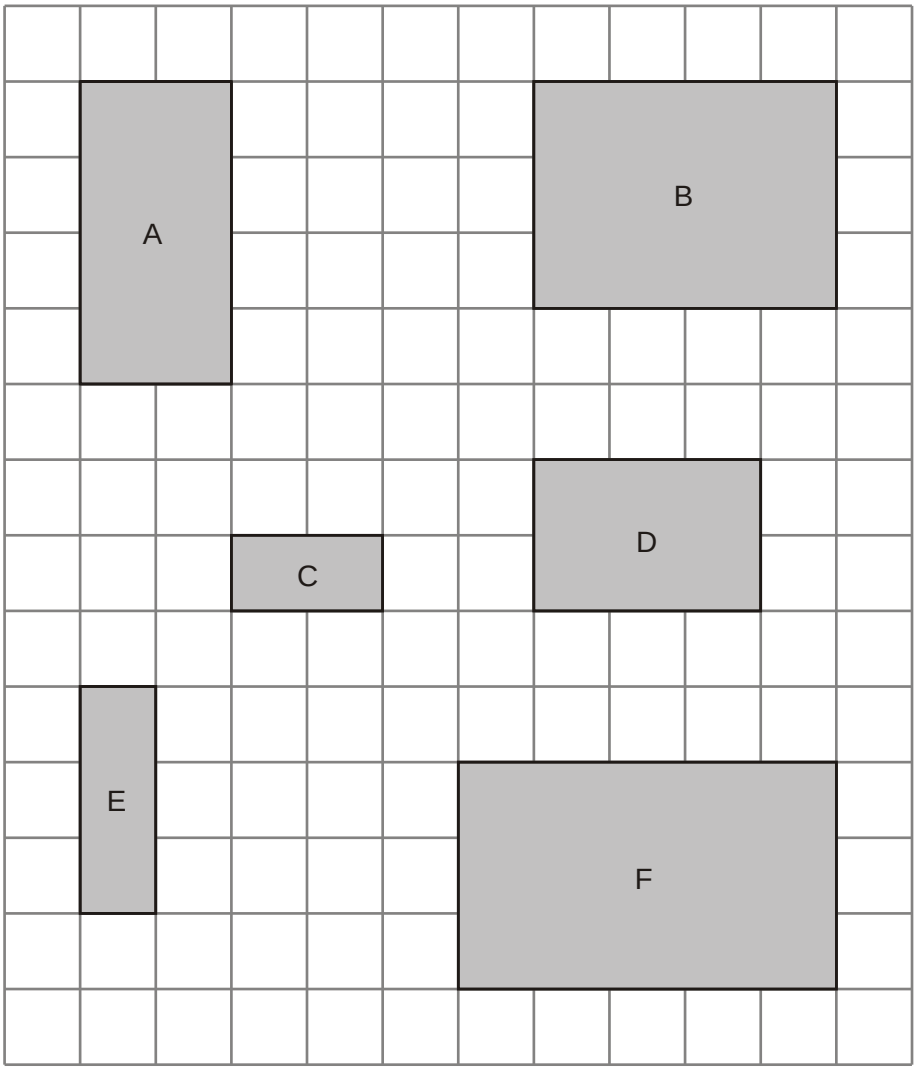
Circle **Yes** or **No**. Yes / No

Explain how you know.



1 mark

2. Here are six rectangles on a grid.



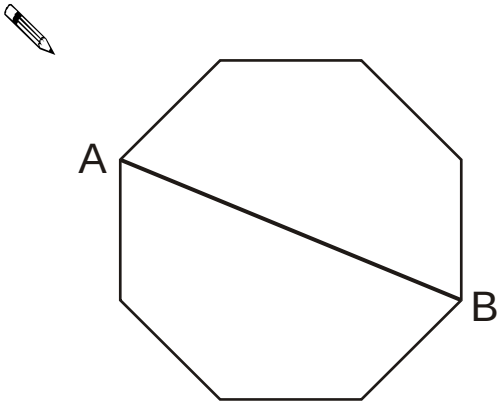
Which **two** rectangles fit together, without overlapping, to make a **square**?

..... and .....

1 mark

3. Here is a regular octagon with two vertices joined to make the line AB.

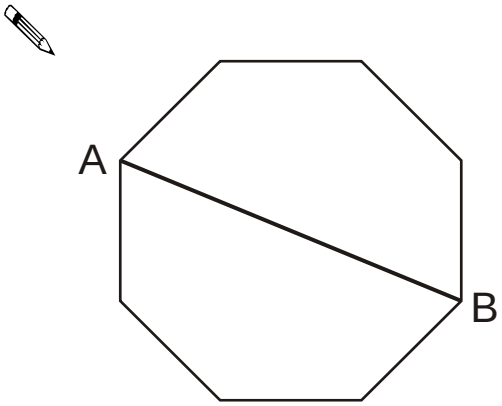
Join two other vertices to draw **one** line that is **parallel** to the line AB.



1 mark

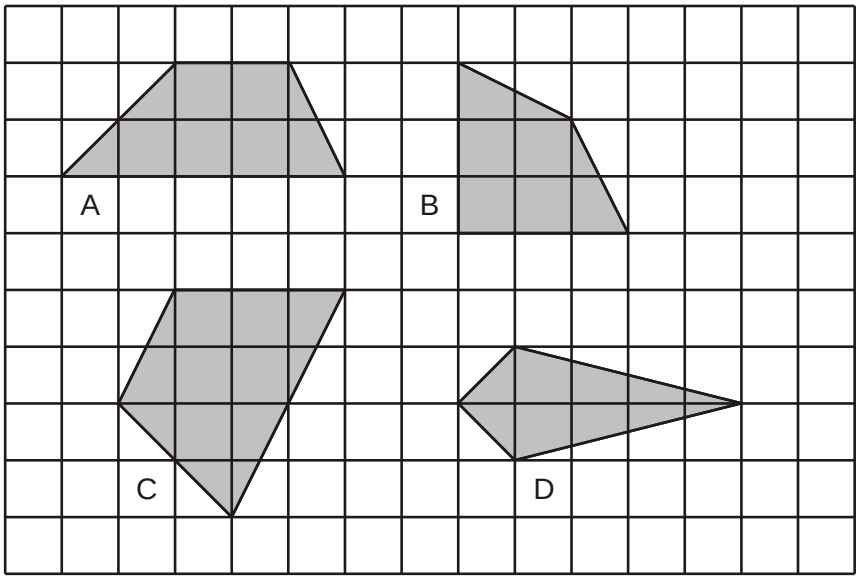
Here is the octagon again.

Join two vertices to draw **one** line that is **perpendicular** to the line AB.



1 mark

„ è**4.** Here are some shapes on a grid.

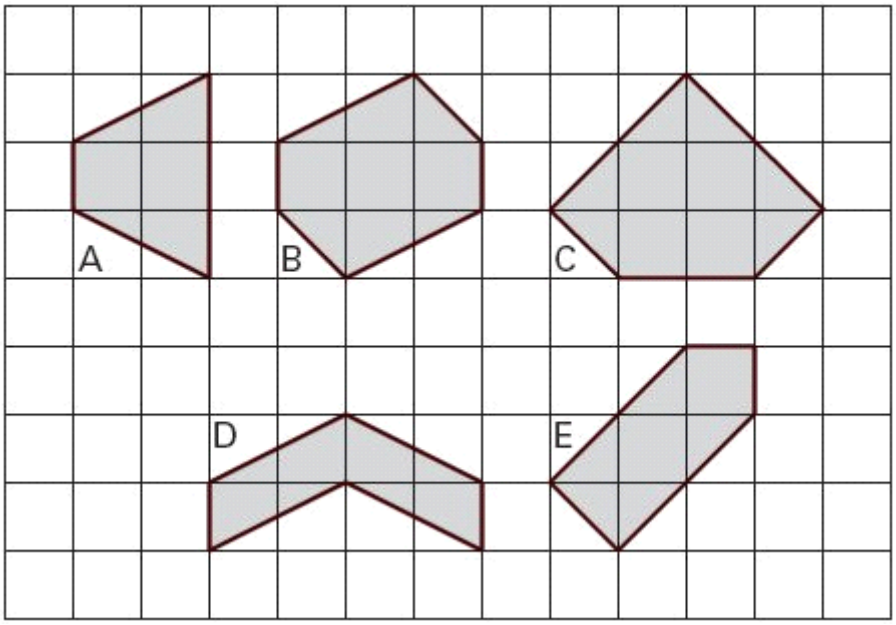


Write the letter of each shape that has one pair of parallel sides.

.....

1 mark

5. Here are some shaded shapes on a square grid.



Write the letters of the **two** shapes which are hexagons.

..... and .....

1 mark

Write the letters of the **two** shapes which have **right angles.**

..... and .....

1 mark

6. Here are four statements.

For each statement put a tick (✓) if it is **possible**.
Put a cross (✗) if it is **impossible**.

A triangle can have 2 acute angles. ☐

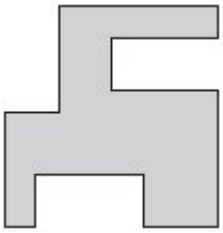
A triangle can have 2 obtuse angles. ☐

A triangle can have 2 parallel sides. ☐

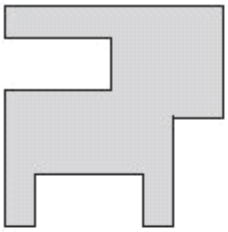
A triangle can have 2 perpendicular sides. ☐

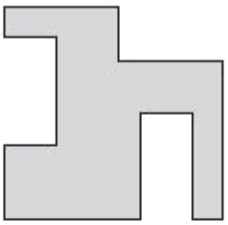
2 marks

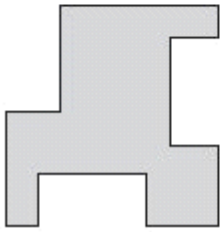
7. Here is a shape.

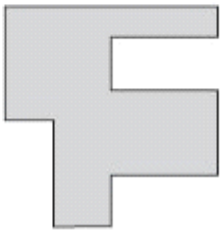


Put a tick (✓) on the shape below which is the same as the one above.









1 mark

8. This table shows information about four solid shapes.

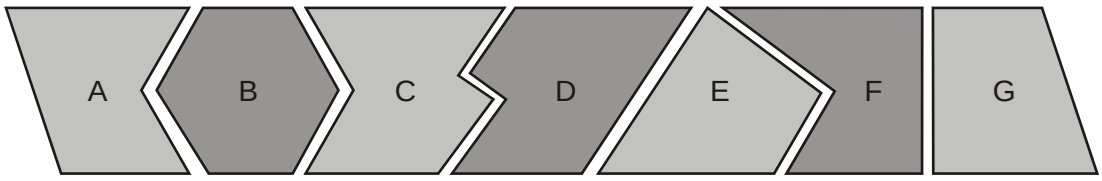
Complete the table.

One has been done for you.

	number of **flat** surfaces	number of **curved** surfaces
sphere	0	1
cone		
cuboid		
cylinder		

2 marks

9. Here are seven shapes.



Write the letters of the two shapes which are **pentagons**.

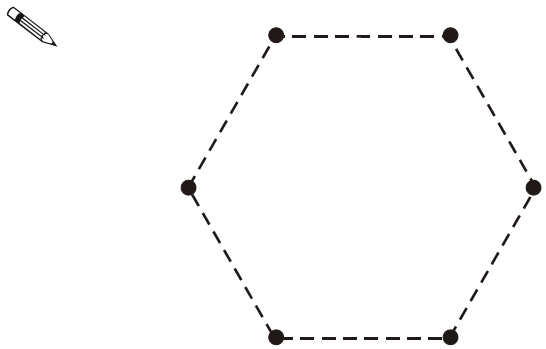
..... and .....

1 mark

10. Here is a regular hexagon.

Join three of the dots to make an **equilateral** triangle.

Use a ruler.

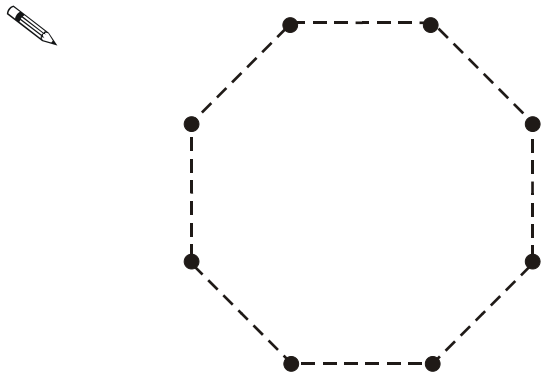


1 mark

Here is a regular octagon.

Join three of the dots to make an **isosceles** triangle.

Use a ruler.



1 mark