

1. Here are six quadrilaterals with their mathematical names.



square



parallelogram



rhombus



oblong



kite



trapezium

Lara chooses one of the quadrilaterals.

She says,

***'It has two acute angles.
All four sides are the same length'.***

Which quadrilateral did Lara choose? 

Stefan chooses one of the quadrilaterals.

He says,

***'It has more than one obtuse angle.
It has no parallel sides'.***

Which quadrilateral did Stefan choose? 

2. Look at these shapes.

Complete the sentences below.

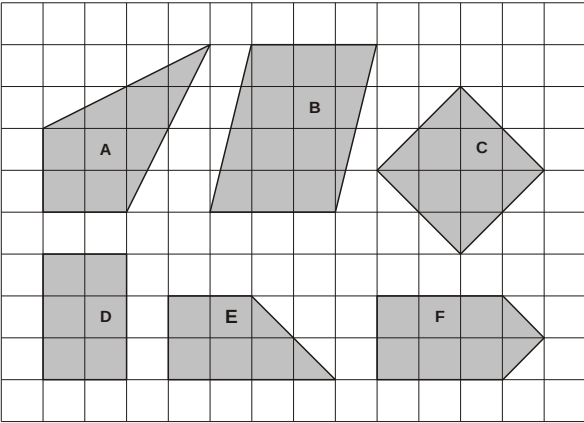
One has been done for you.

..... **A** is a kite

 is not a quadrilateral

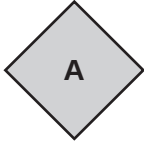
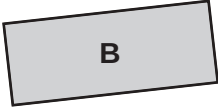
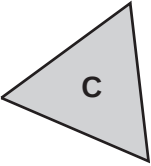
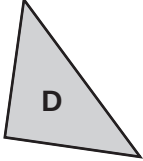
..... has only 2 right angles

..... has 2 acute angles

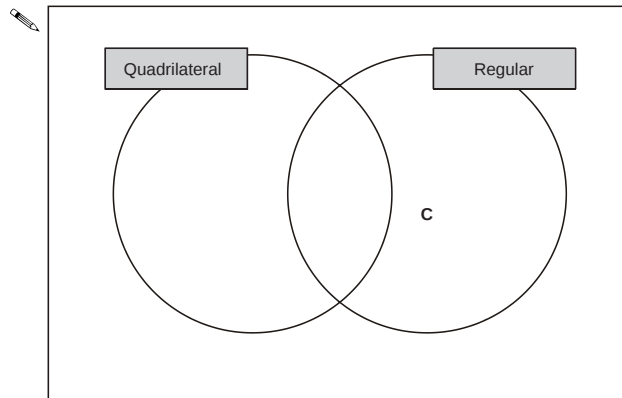


2 marks

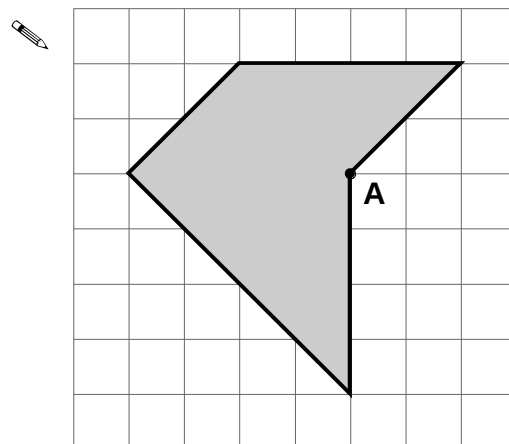
3. Here are four shapes in a Carroll diagram.

	Regular	Not regular
Quadrilateral		
Not a quadrilateral		

Use this information to write the letters **A**, **B** and **D** in the Venn diagram below.

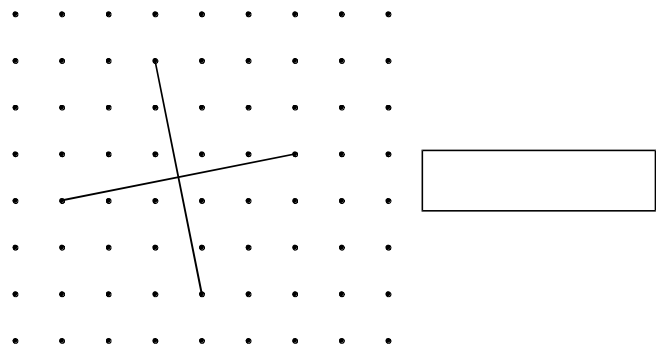
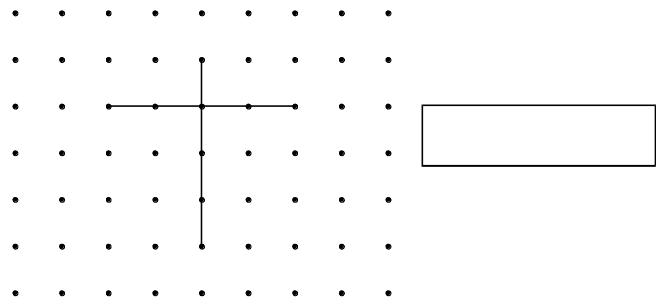
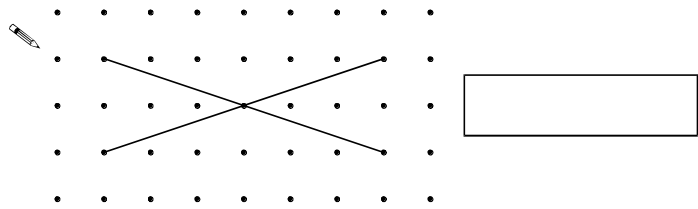


4. Draw **two straight lines** from point **A** to divide the shaded shape into a square and two triangles.



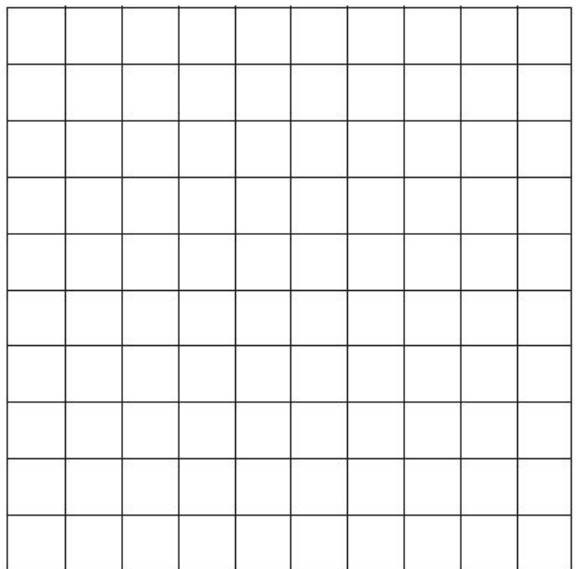
5. These diagrams show the **diagonals** of three **quadrilaterals**.

Write the names of the quadrilaterals
in the boxes.



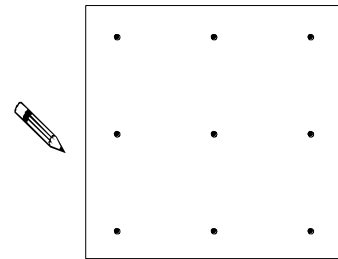
6. Here is a centimetre grid.

Draw a **rectangle** whose
longer sides are **6cm**



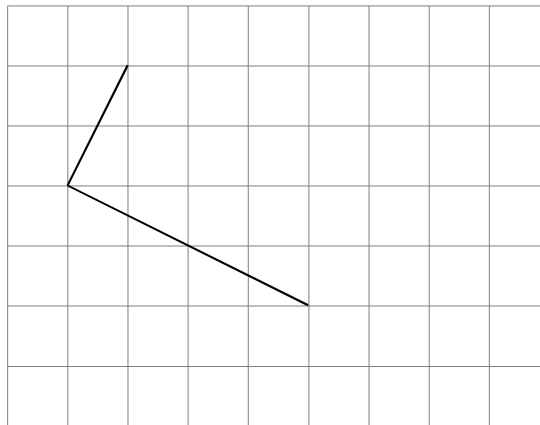
7. On the grid join dots to make a triangle which does **not** have a **right angle**.

Use a ruler.



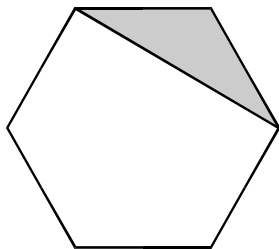
8. Draw **two more straight lines** to make a rectangle.

Use a ruler.

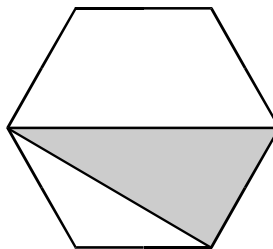


9. These two shaded triangles are each inside a regular hexagon.

Under each hexagon, put a ring around the correct name of the shaded triangle.



equilateral
isosceles
scalene



equilateral
isosceles
scalene

10. Here is a shape on a square grid.

For each sentence, put a tick (✓) if it is true.
 Put a cross (✗) if it is not true.



Angle **C** is an **obtuse** angle.

☐

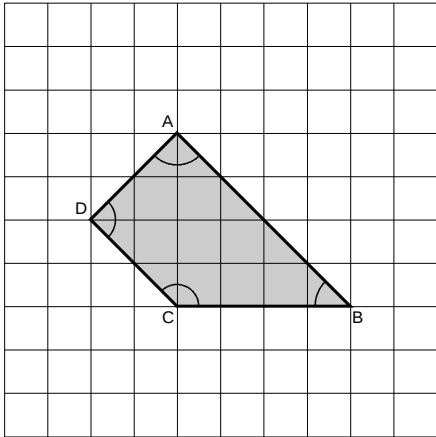
Angle **D** is an **acute** angle.

☐

Line **AD** is **parallel** to line **BC**.

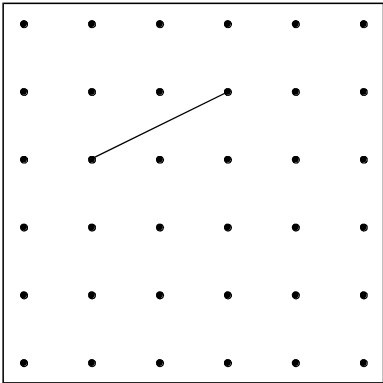
☐

Line **AB** is **perpendicular** to line **AD**.

☐


2 marks

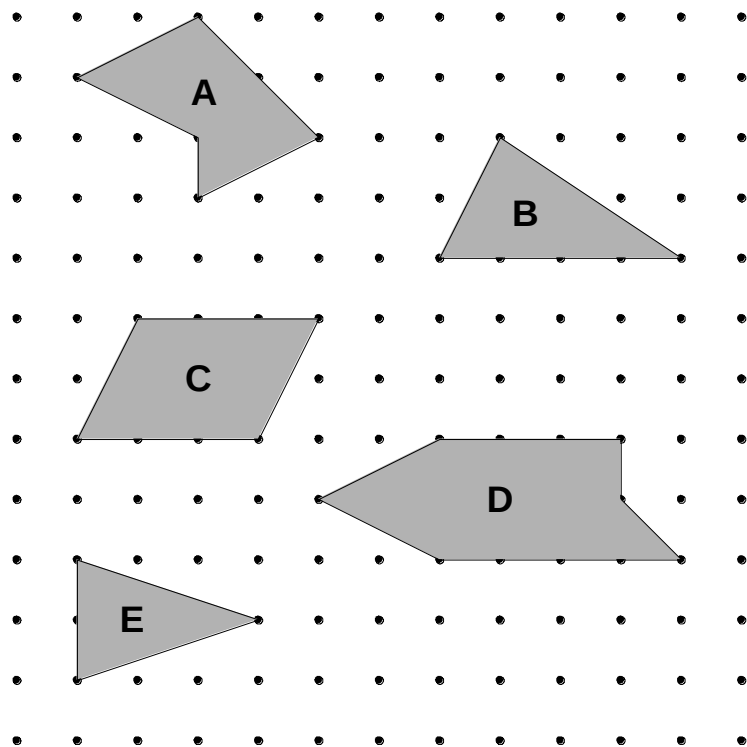
11. The line on the grid is one side of a **square**.
 On the grid, draw the **other three sides** of the square.
 Use a ruler.



12. A shape has **4 right angles**.
 It has **4 sides** which are **not** all the same length.
 Write the name of this shape.



13. Here are five shapes on a square grid.



Write in the missing letters.



Shape

has two pairs of parallel sides.

1 mark



Shape

is a pentagon.

1 mark



Shape

has reflective symmetry.

1 mark

14. Complete this sentence.

All **equilateral triangles** have