

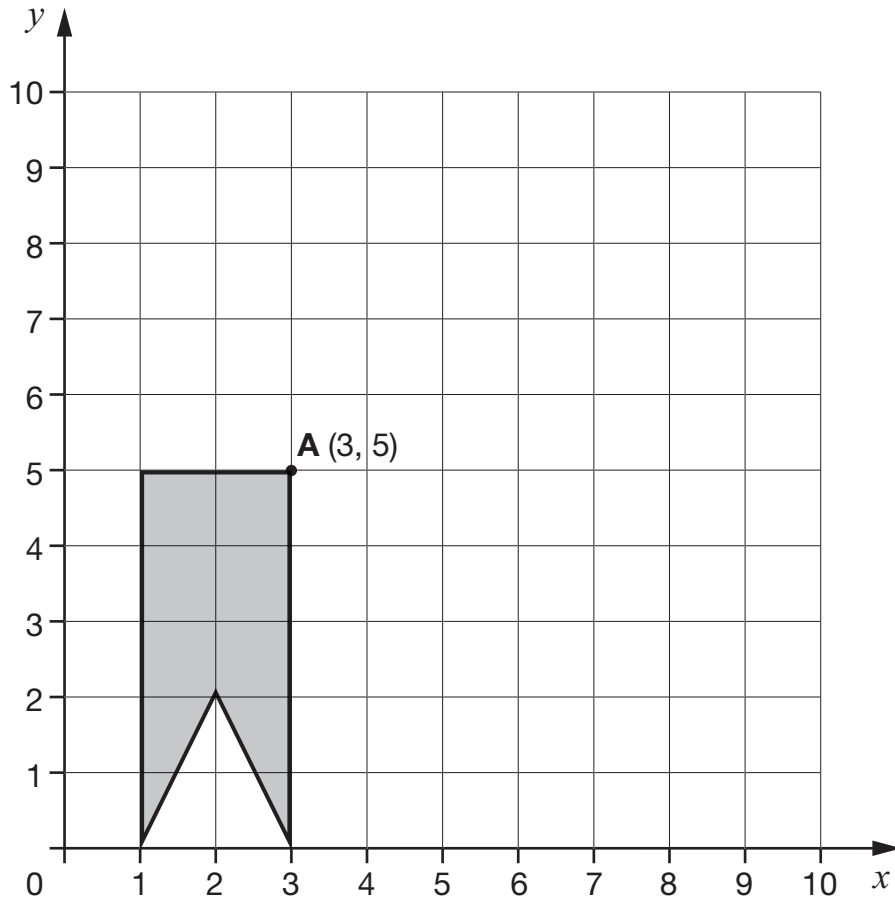
12

Here is a shape on a grid.

The shape is translated so that point **A** moves to (7, 8).

Draw the shape in its new position.

Use a ruler.



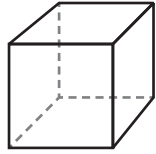
1 mark



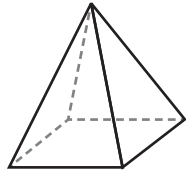
12

Here are diagrams of some 3-D shapes.

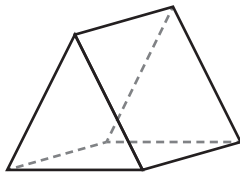
Tick each shape that has the same number of faces as vertices.



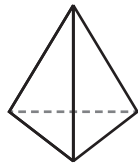
Cube

☐

Square-based pyramid

☐

Triangular prism

☐

Triangular-based pyramid

☐

2 marks



F 0 0 0 7 0 A 0 1 3 2 4

13



Kirsty says,

When you double the size of an acute angle,  
you always get an obtuse angle.

Explain why Kirsty is **not** correct.

A large, empty, cloud-shaped box with a scalloped border, intended for the student to write their explanation.

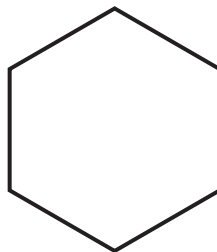
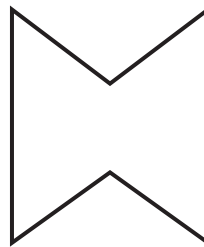
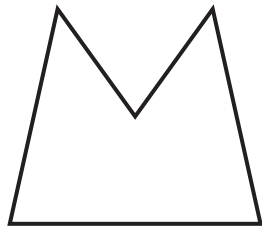
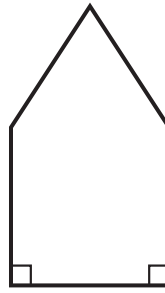
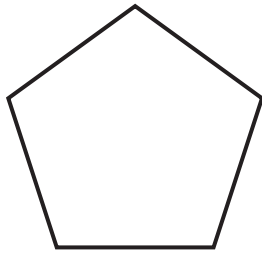
1 mark



H 0 0 0 8 0 A 0 1 3 2 4

13

Circle the **pentagon** with exactly **four acute angles**.



1 mark



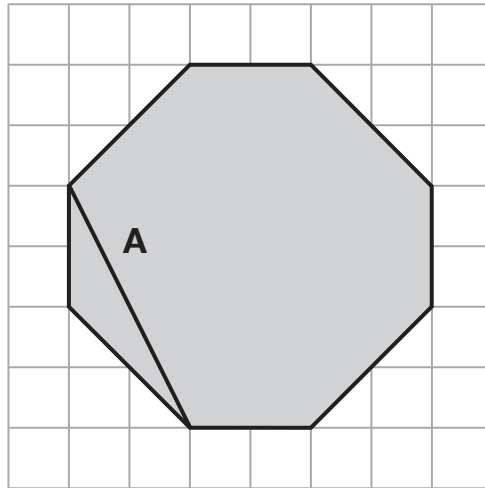
13

The diagram shows a shaded octagon on a square grid.

Line **A** joins two vertices of the octagon.

Join two other vertices to draw a line **parallel** to line **A**.

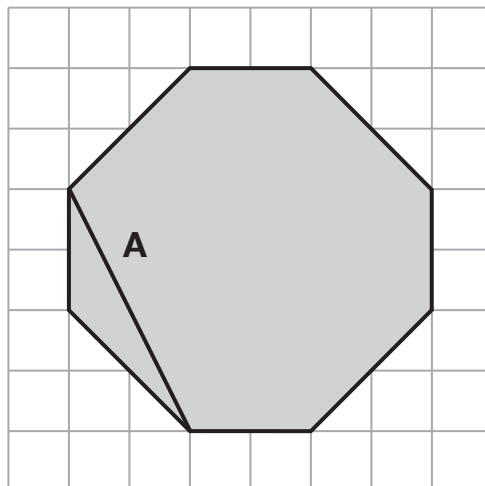
Use a ruler.



1 mark

Join two vertices to draw a line **perpendicular** to line **A**.

Use a ruler.



1 mark



14

Two of the angles in a triangle are  $70^\circ$  and  $40^\circ$

Jack says,

The triangle is equilateral.



Explain why Jack is **not** correct.

A large, empty, cloud-shaped box with a scalloped border, intended for the student to write their explanation.

1 mark



15

Look at the letters below.

Circle the letter below that has both parallel **and** perpendicular lines.

A C E L Z

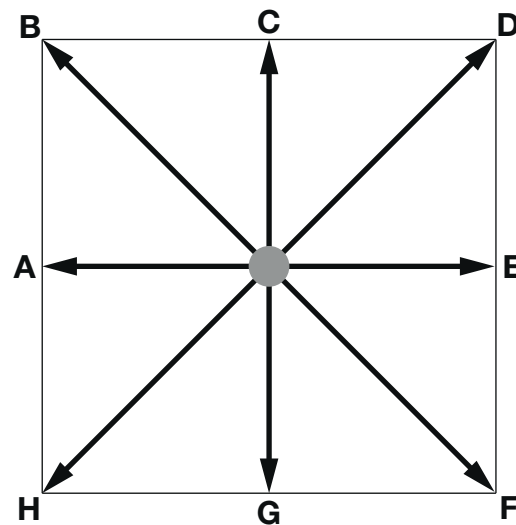
1 mark



F 0 0 0 8 0 A 0 1 5 2 4

15

Stefan stands in the centre of this square.



Not actual size

Stefan is facing towards **F**.

He turns **anti-clockwise** to face **D**.

What **angle** does Stefan turn through?

degrees

1 mark

Stefan is now facing towards **D**.

He turns **3 right angles clockwise**.

Write the **letter** he faces after the turn.

1 mark





15

Join dots on the grid to make a quadrilateral that has **3 acute** angles.



1 mark

