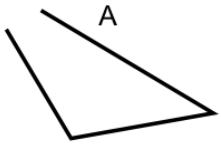


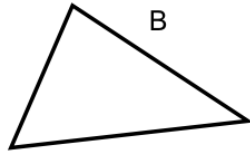
Year 6 Transition Shape and Space Work - due

Question 1 - (1 marks available)

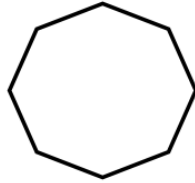
Which of these are polygons?



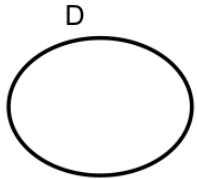
A



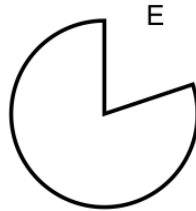
B



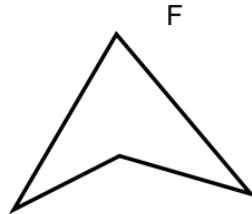
C



D



E



F

Question 2 - (2 marks available)

Fill in the gaps.

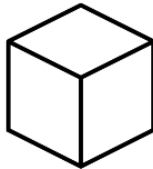
A prism is a three-
with the same

shape
all the way through.

Question 3 - (3 marks available)

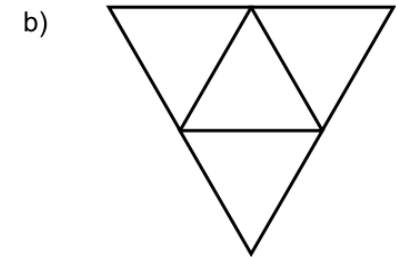
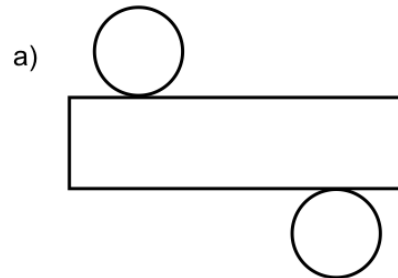
Complete the table to show the number of faces, edges and vertices for a cube.

	Faces	Edges	Vertices
Cube			



Question 4 - (2 marks available)

Write down the mathematical name of the shape made by each net.



Question 5 - (3 marks available)

Fill in the blanks:

The three angles in a triangle always add up to _____ degrees.

Angles on a straight line always add up to _____ degrees.

Angles at a point always add up to _____ degrees.

Question 6 - (2 marks available)

Dave says:

The only quadrilateral with two lines of symmetry is a rectangle.

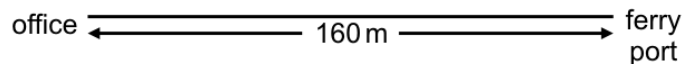
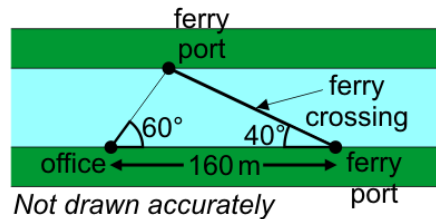
Is Dave correct?

Explain your answer.

Question 7 - (3 marks available)

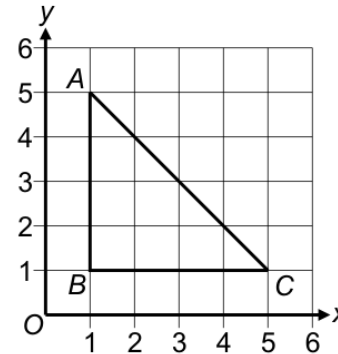
Here is a plan of a ferry crossing.

Complete the accurate scale drawing of the ferry crossing below.



Question 8 - (4 marks available)

Look at the triangle ABC , drawn on a square grid.

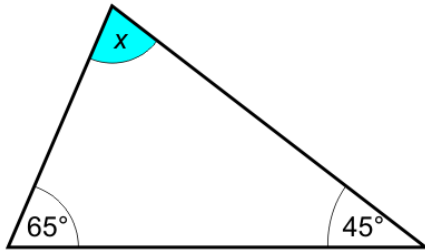


Here are some statements about triangle ABC . For each statement, decide whether it is true or false.

- a) The triangle is isosceles.
- b) The triangle has three lines of symmetry.
- c) The triangle is right-angled.
- d) The triangle is equilateral.

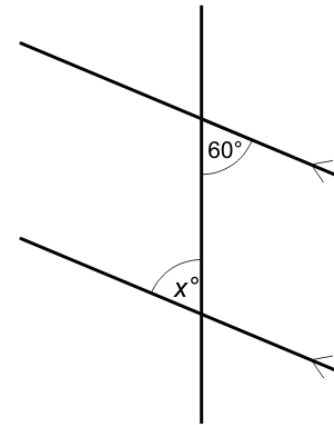
Question 9 - (2 marks available)

Work out the size of angle x .



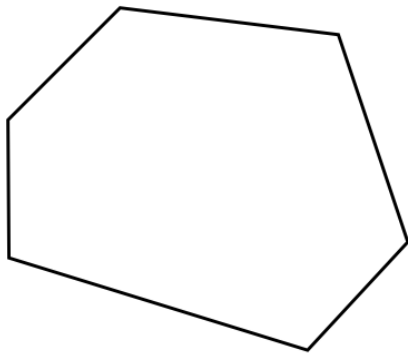
Question 10 - (1 marks available)

Work out the size of angle x .



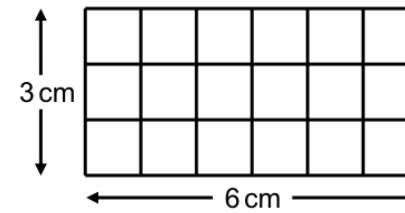
Question 11 - (2 marks available)

Work out the sum of the interior angles of this irregular hexagon.



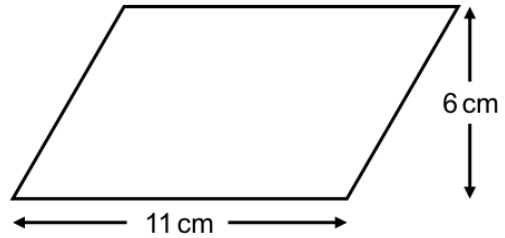
Question 12 - (1 marks available)

What is the area of this rectangle?



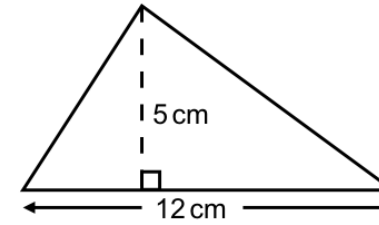
Question 13 - (1 marks available)

Find the area of this parallelogram.



Question 14 - (2 marks available)

The diagram shows a triangle.



Not drawn accurately

Work out the area of the triangle.

Question 15 - (2 marks available)

This trapezium is drawn on a centimetre grid.
Find the area of the trapezium.

