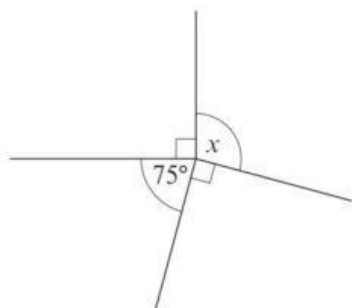


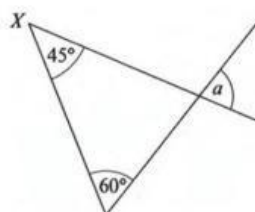
Unit 5 Review

Question 1:

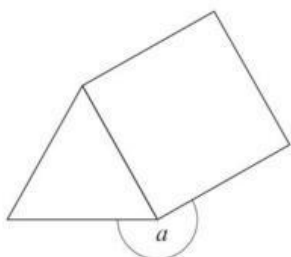
a. Work out the value of x .



b. Calculate the value of a .

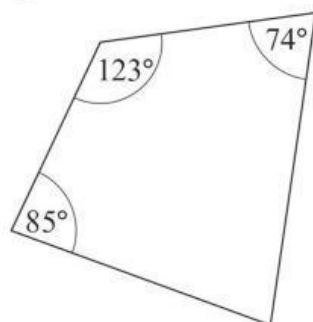


Question 2 An equilateral triangle and a square are joined together.

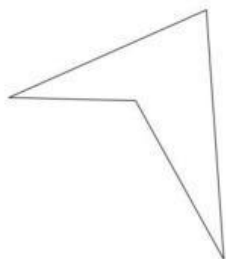


Work out the value of a .

Question 3 Work out the missing angle in this quadrilateral.

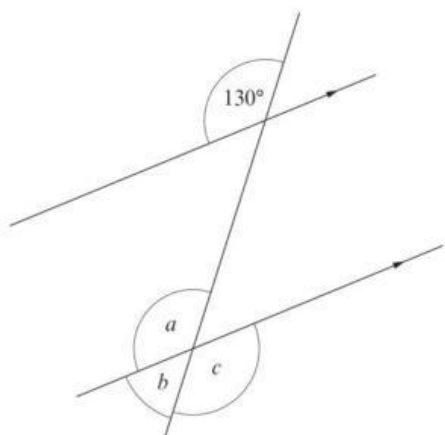


Question 4 The sum of the angles of any triangle is 180° .

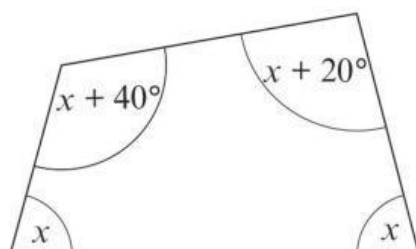


Use this fact to show that the sum of the angles of this shape is 360° .

Question 5 Work out the values of a , b and c .



Question 6 The angles, in degrees, of this shape are x , x , $x + 20$ and $x + 40$.

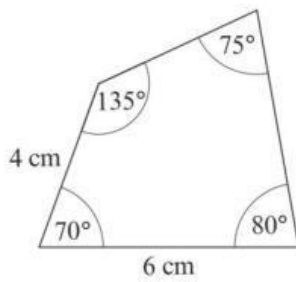


a Write an equation for x . _____

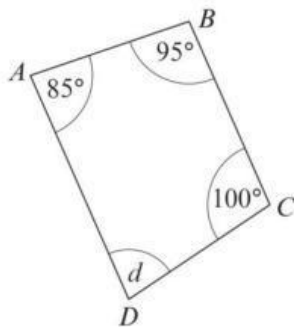
b Solve the equation. _____

c Find the values of the angles of the shape. _____

Question 7 Make an accurate drawing of this quadrilateral.



Question 8



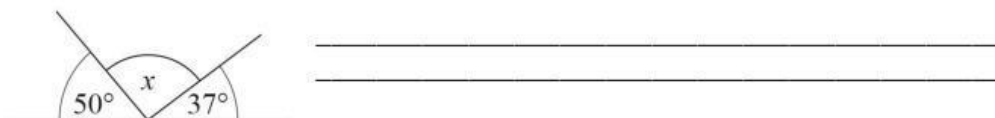
a Find the value of d .

b Show that two sides of the quadrilateral are parallel.

Question 9 Three of the angles of a quadrilateral are x .

Work out an expression for the fourth angle of the quadrilateral.

Question 10 Work out the value of angle x in this diagram.



Question 11 Write down the order of rotational symmetry for each of these shapes.[4 marks]

a



order ____

b



order ____

c



order ____

d

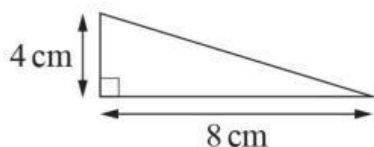


order ____

Question 12

Work out the area of this triangle.

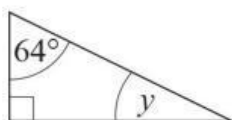
[2 marks]



Question 13

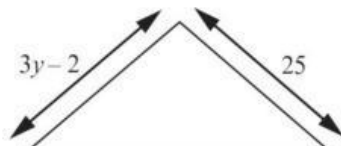
Work out the value of angle y in this triangle.

[2 marks]



Question 14

The diagram shows the lengths of the equal sides of an isosceles triangle.

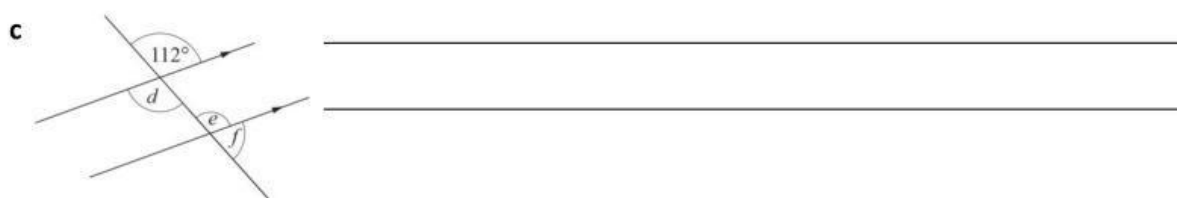
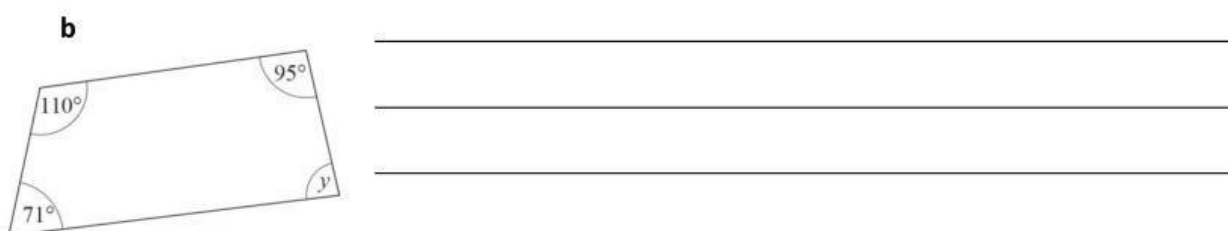
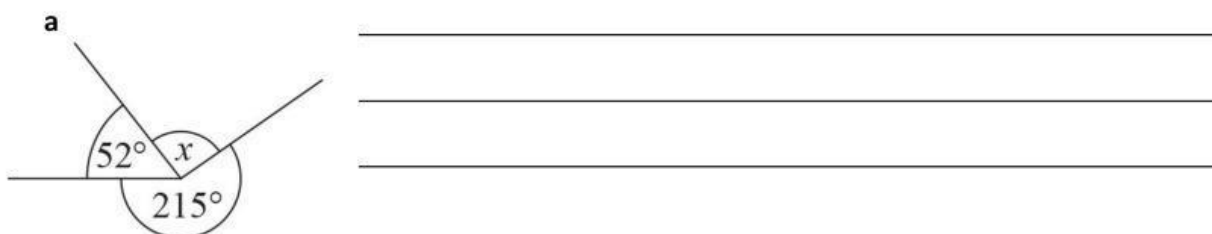


a Use the information to write an equation.

b Solve your equation to find the value of y .

Grade 6 Maths
Question 15

1 Calculate the size of each lettered angle.

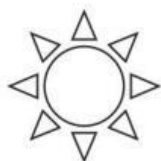


Question 16

a Draw the lines of symmetry on this shape.

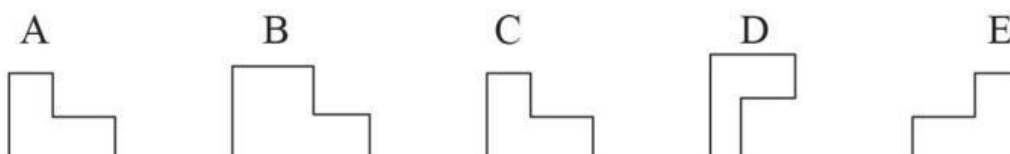


b Write down the order of rotational symmetry of this shape.



order _____

c Put a tick (✓) underneath all the shapes that are congruent to shape A.

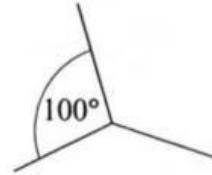


Question 17

Here are three angles. Two of the angles are equal.

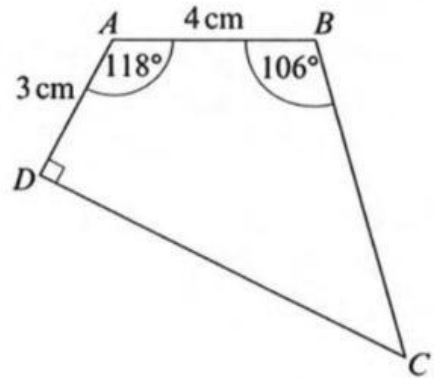
The diagram shows one angle of 100°

Calculate the other two angles. There are two possible answer.

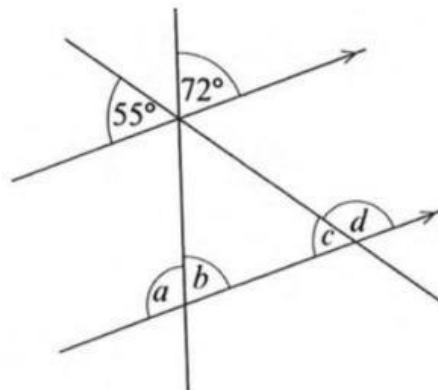


Question 17

- Calculate angle C $C =$ _____
- Make an accurate drawing of the quadrilateral.
- Measure CD $CD =$ _____



Question 17 Work out the unknown angles a, b, c and d



Question 18

- Make an accurate drawing of this diagram

- Measure angle C

