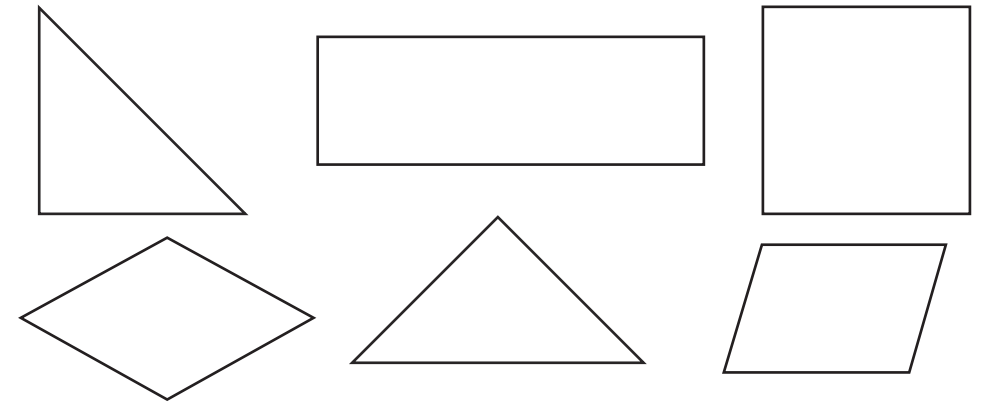


Chilli Challenge Year 4 Geometry Maths Cards



Shapes

Label the following shapes: equilateral triangle, right - angled triangle, square, rectangle, parallelogram, rhombus.
Can you colour all the quadrilaterals blue?

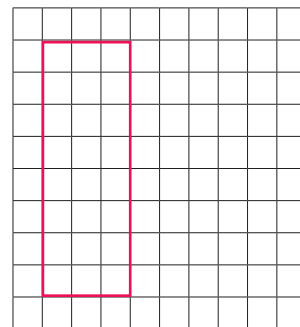
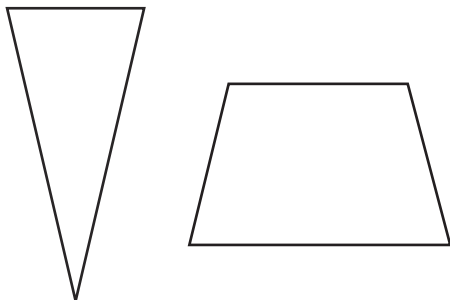


Lines

Identify lines of symmetry in 2D shapes about a vertical line of symmetry

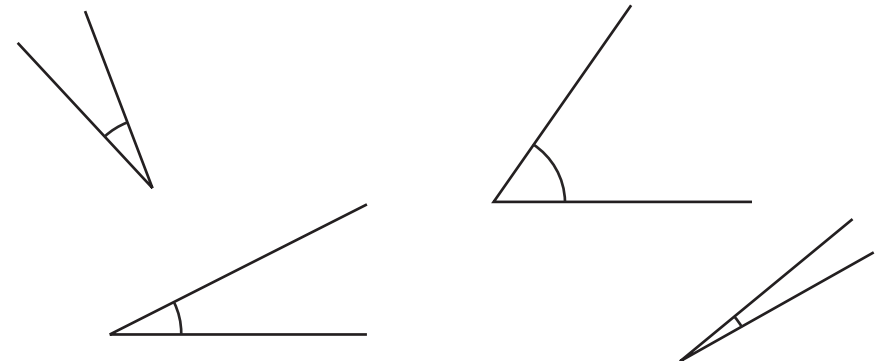
Draw lines of symmetry in these shapes:

Complete a symmetry figure.



Angles

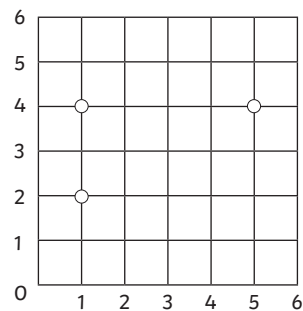
Order the angles from smallest to largest.



Coordinates

Describe positions on a 2D grid as coordinates in the quadrant. Plot specified points and draw sides to complete a given polygon.

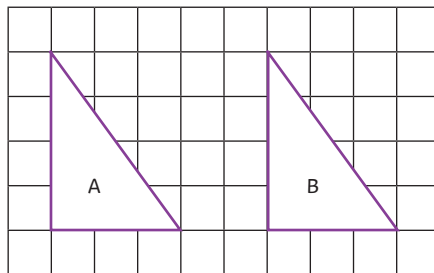
What are the coordinates of the point that will complete a rectangle.



Label A, B and C
Coordinates are:

A (1,2)
B (1,4)
C (5,4)

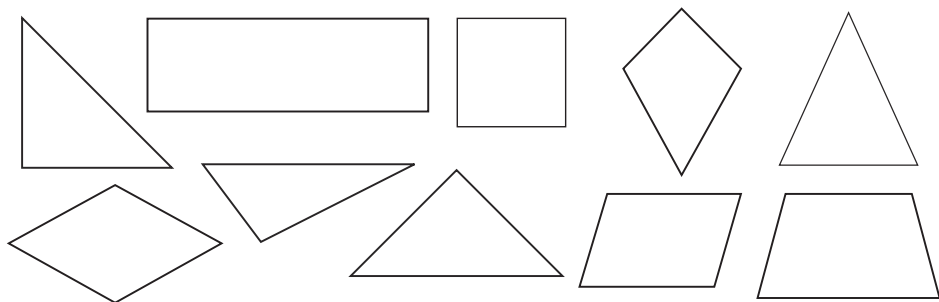
Describe the translation from shape A to B.





Shapes

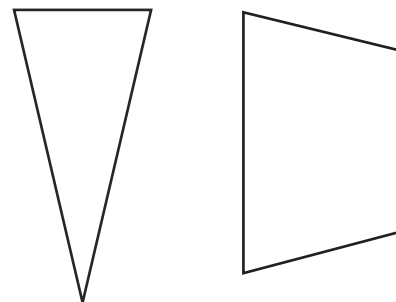
Label the following shapes: equilateral triangle, right - angled triangle, isosceles triangle, scalene triangle, square, rectangle, parallelogram, rhombus, trapezium, kite.
Can you colour all the quadrilaterals blue?



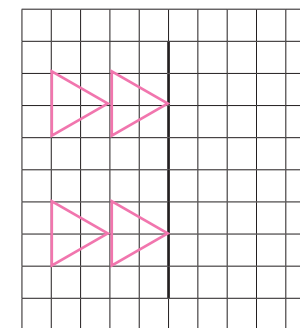
Lines

Identify lines of symmetry in 2D shapes about a vertical line of symmetry

Draw lines of symmetry in these shapes:

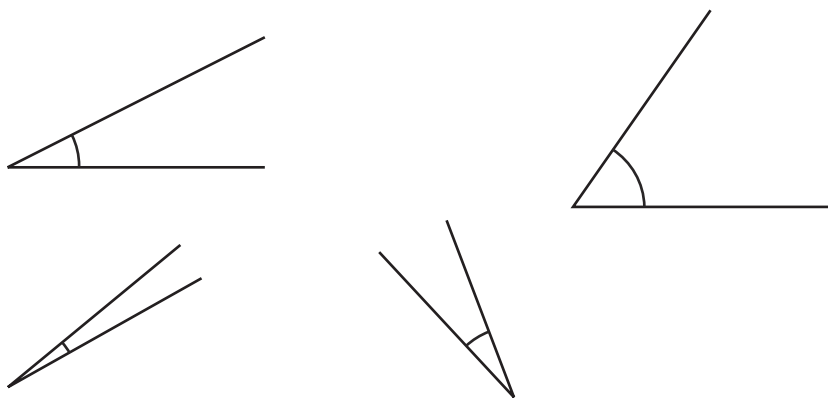


Complete a symmetry figure.



Angles

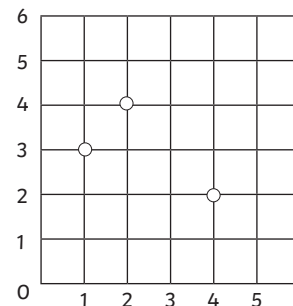
Order the angles from smallest to largest.



Coordinates

Describe positions on a 2D grid as coordinates in the quadrant. Plot specify points and draw sides to complete a given polygon.

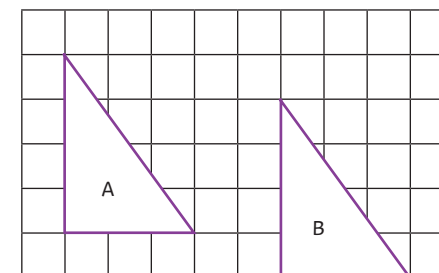
What are the coordinates of the point that will complete a rectangle?



Label A,B and C
Coordinates are:

- A (1,3)
- B (2,4)
- C (4,2)

How has the shape been translated?

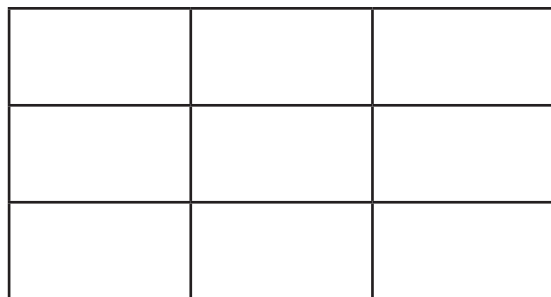
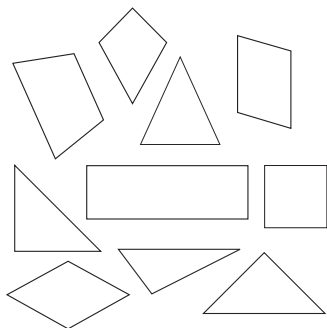




Shapes

Label the following shapes: equilateral triangle, right - angled triangle, isosceles triangle, scalene triangle, square, rectangle, parallelogram, rhombus, trapezium, kite.

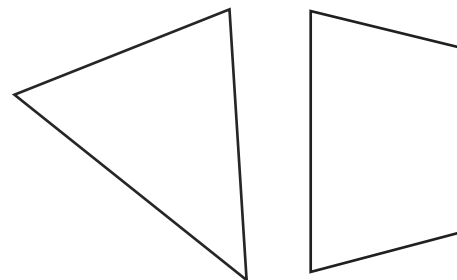
Classify and sort the polygons into a Carroll Diagram.



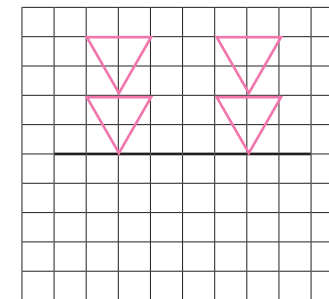
Lines

Identify lines of symmetry in 2D shapes about a vertical line of symmetry

Draw lines of symmetry in these shapes:



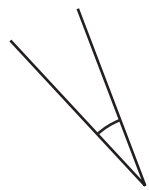
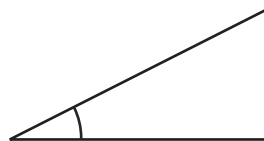
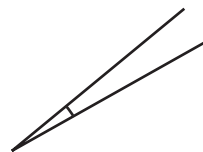
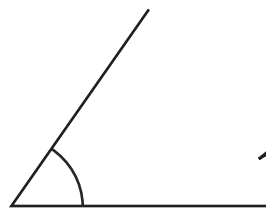
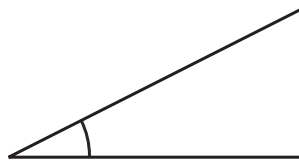
Complete a symmetry figure.



Angles

Identify acute and obtuse and compare and order angles up to two right angles by size.

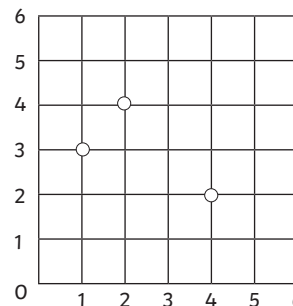
Order these angles from smallest to largest and add a fifth angle to include in the order.



Coordinates

Describe positions on a 2D grid as coordinates in the quadrant. Plot specify points and draw sides to complete a given polygon.

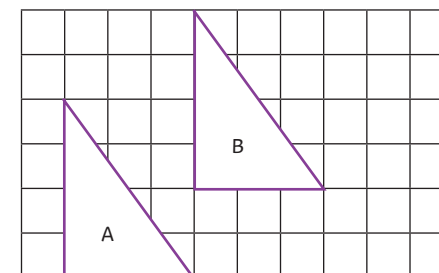
What are the coordinates of the point that will complete a rectangle?



Label A,B and C
Coordinates are:

- A (1,3)
- B (2,4)
- C (4,2)

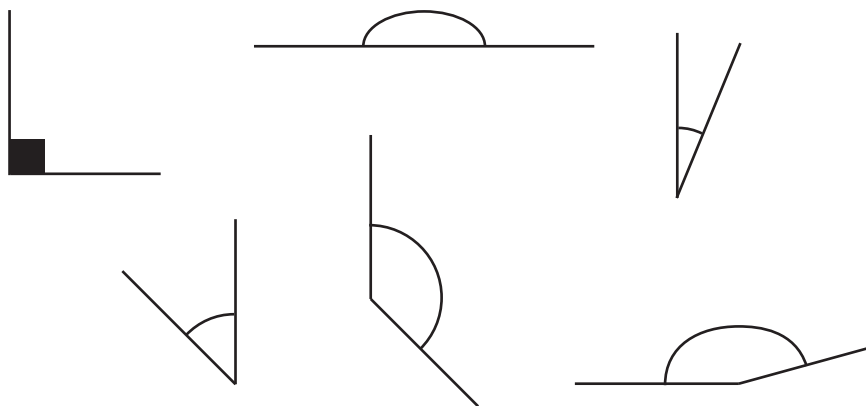
How has the shape been translated?





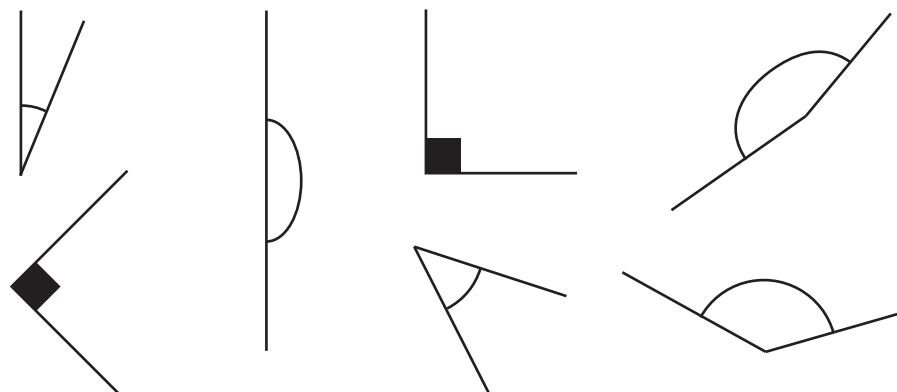
Angles

Circle the obtuse angles.



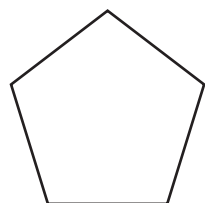
Angles

Colour the acute angles red, the right angles blue and the obtuse angles green.

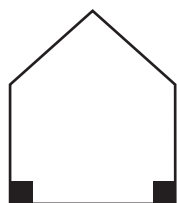


Angles

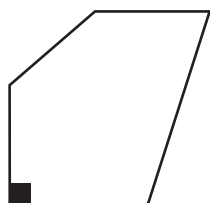
Count the number of angles in each shape.



___ acute angles
___ right angles
___ obtuse angles



___ acute angles
___ right angles
___ obtuse angles

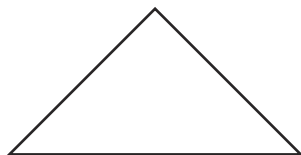
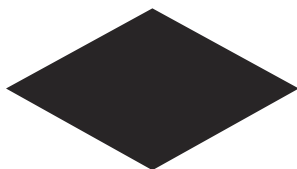
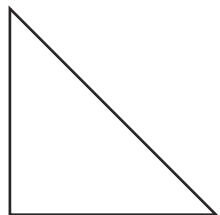


___ acute angles
___ right angles
___ obtuse angles

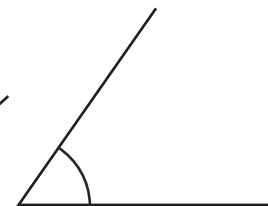
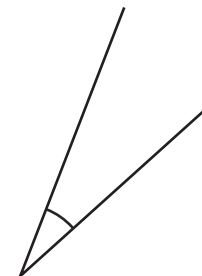
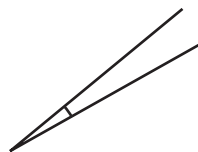


___ acute angles
___ right angles
___ obtuse angles

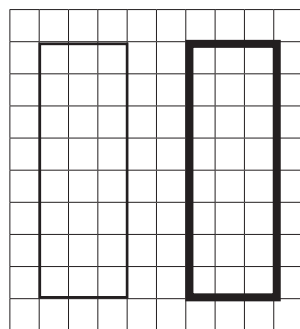
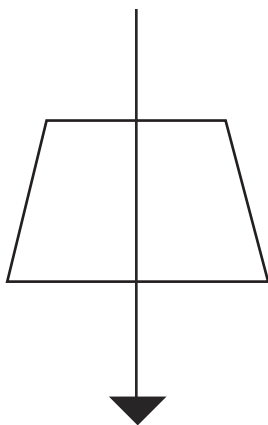
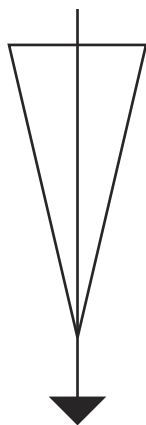
Shapes Answers



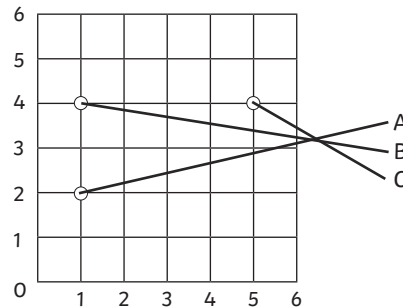
Angles Answers



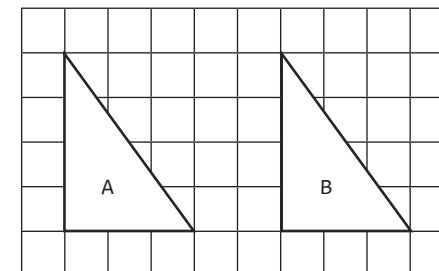
Lines Answers



Coordinates Answers

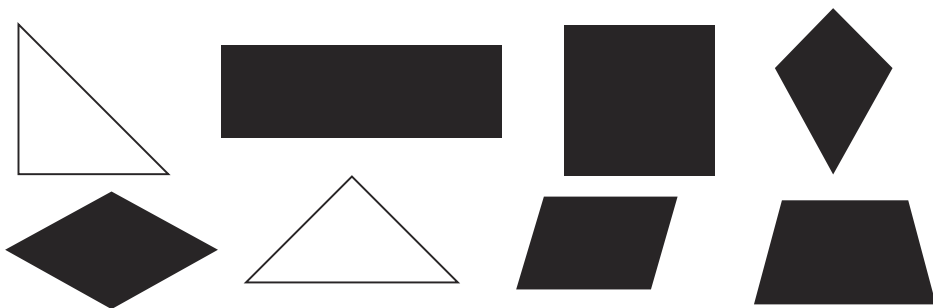


The translation would be
move shape A five squares to the right

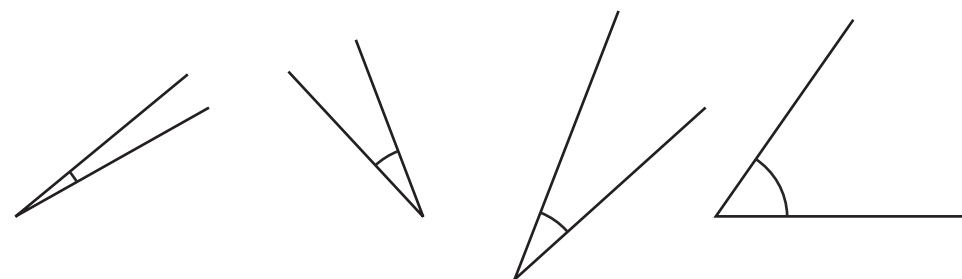




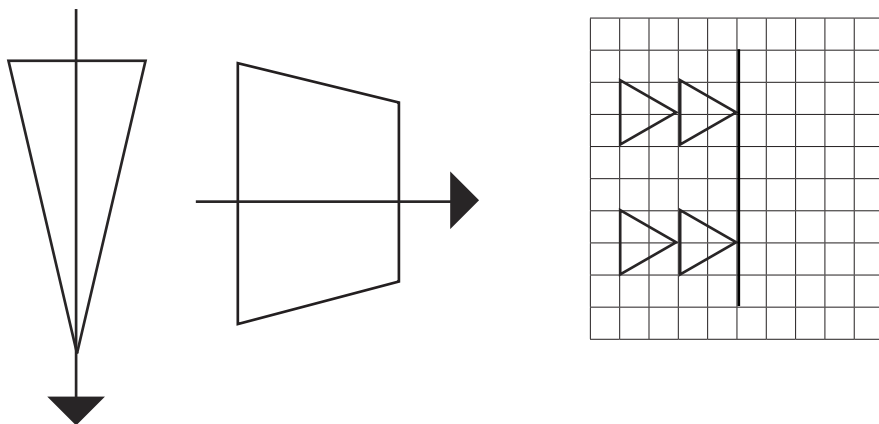
Shapes Answers



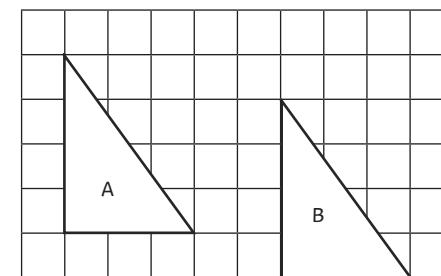
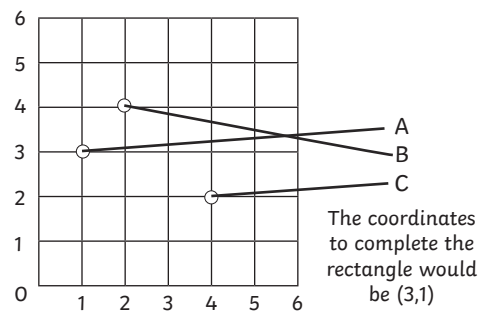
Angles Answers



Lines Answers



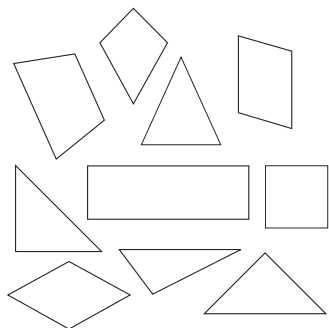
Coordinates Answers

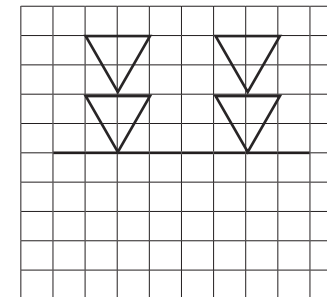
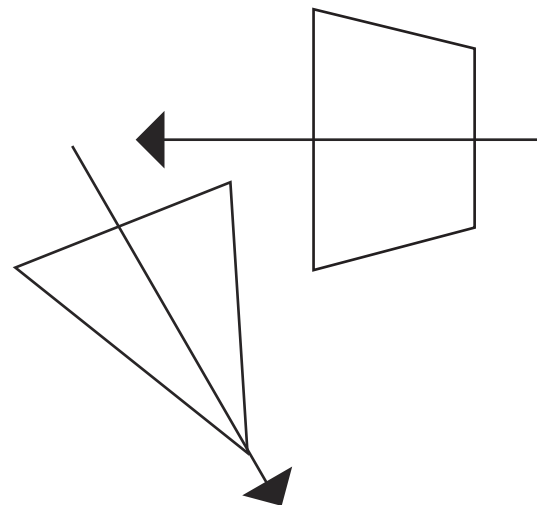


The translation would be **move shape A down 1 square, right 5 squares.**



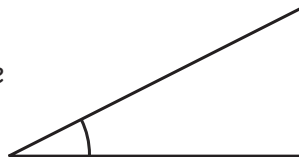
Answers will vary depending on the properties chosen to sort and classify the shapes.





Angles Answers

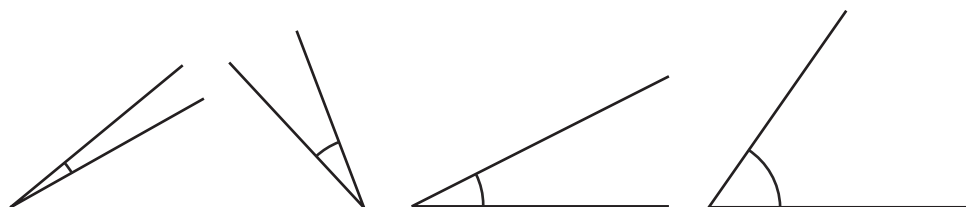
Acute



Obtuse



The correct order for the angles should be as follows. The fifth angle will be different for each child but should be larger than angle e.



Coordinates Answers

The coordinates of the point that will complete the rectangle are (3,1)

The translation to move shape A would be move 3 squares right and 2 squares up.

