

COORDINATES AND SHAPES

NAME -----

On the grid below, plot each set of points and then join them in order. Choose the correct name for each shape from the list below, and write it inside the shape.

Equilateral triangle

Rectangle

Hexagon

Octagon

Trapezium

Square

Rhombus

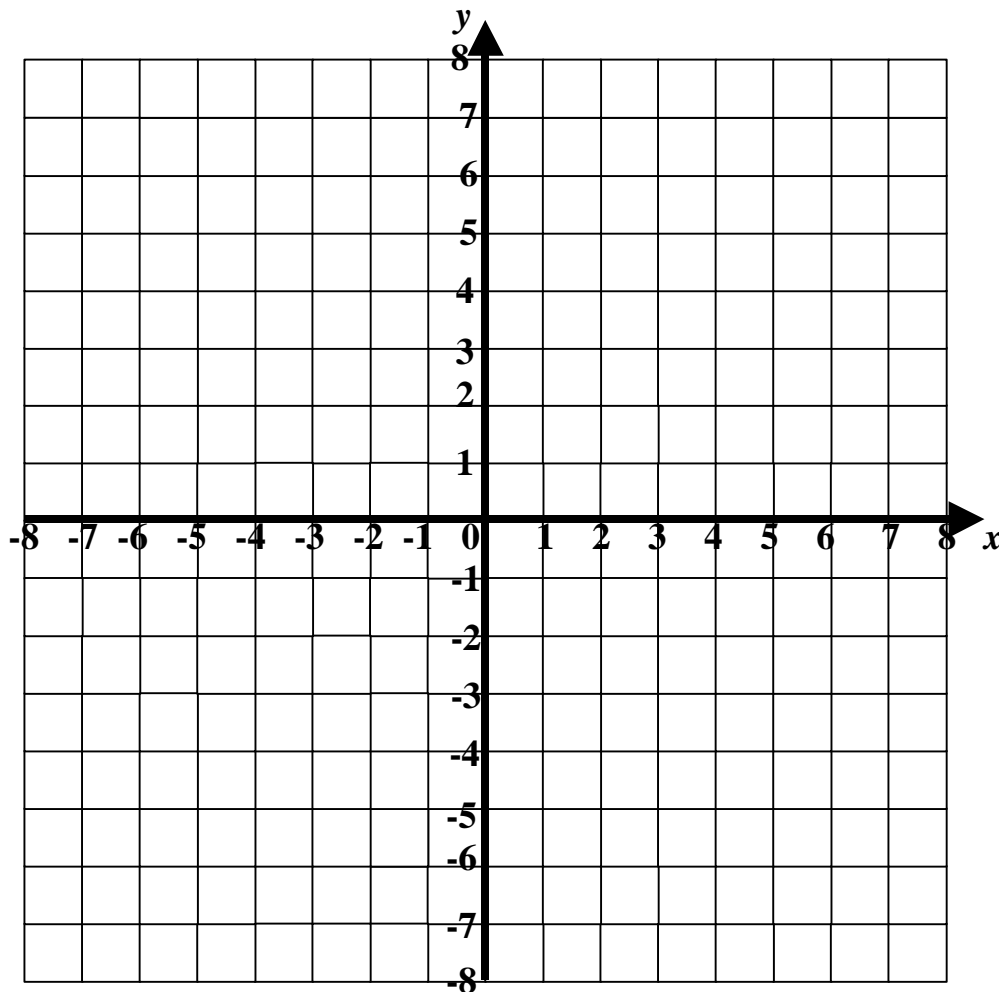
Parallelogram

Right angled triangle

Isosceles triangle

Kite

Pentagon

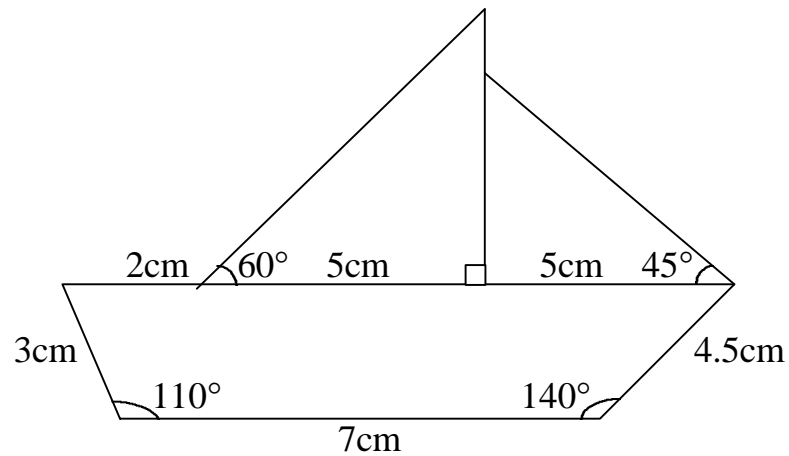


1. (1,5), (1,8), (4,8), (4,5), (1,5)
2. (6,4), (6,8), (8,8), (8,4), (6,4)
3. (0,0), (2,3.5), (4,0), (0,0)
4. (5,1), (5,3), (8,1), (5,1)
5. (-1,4), (-3,7), (-8,7), (-6,4), (-1,4)
6. (-7,-4), (-6,1), (-7,4), (-8,1), (-7,-4)
7. (6,-8), (7,-4), (8,-8), (6,-8)
8. (1,-1), (7,-1), (6,-4), (2,-4), (1,-1)
9. (-8,-5), (-5,-5), (-3.5,-7.5), (-6.5,-7.5), (-8,-5)
10. (-5,1), (-3,3), (-1,1), (-2,-1), (-4,-1), (-5,1)
11. (3,-5), (4,-5), (5,-6), (5,-7), (4,-8), (3,-8), (2,-7), (2,-6), (3,-5)
12. (-3,-2), (-1,-2), (1,-4), (-1,-6), (-3,-6), (-5,-4), (-3,-2)

DRAWING AND MEASURING

NAME -----

This is a rough sketch of a boat. Use a ruler and a protractor to draw the boat with each of the lines and angles the correct size.

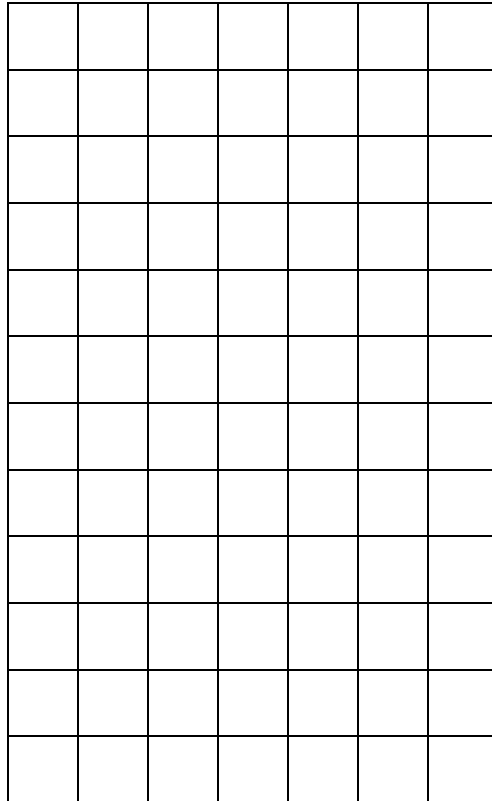


TRANSLATION

NAME -----

Start at the bottom left hand corner of the grid and draw lines as follows:

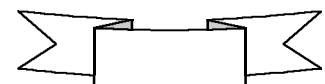
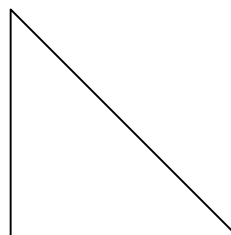
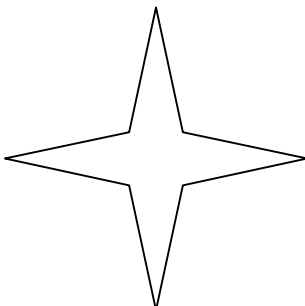
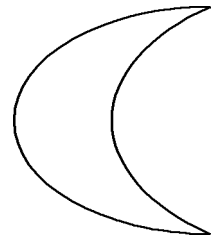
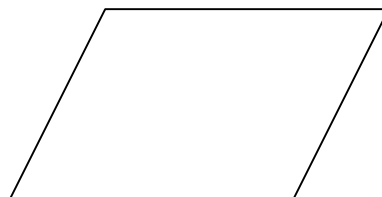
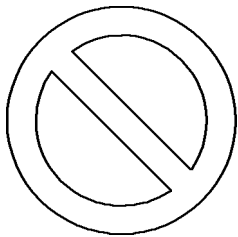
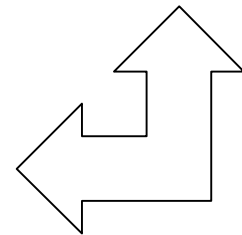
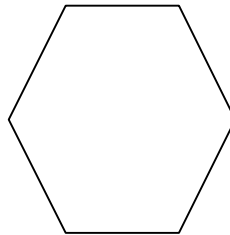
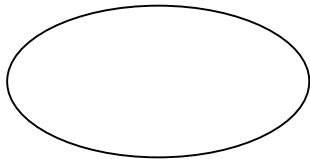
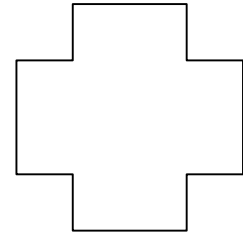
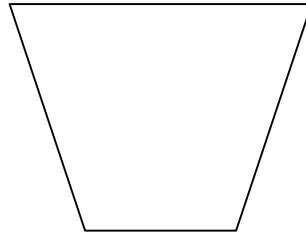
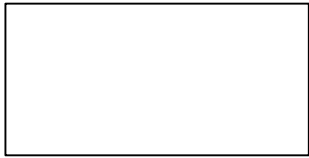
up 1 , right 2 , up 6 , down 3 , left 1 , up 4 , right 2 , up 1 , left 1 , up 3 ,
right 3 , down 3 , left 1 , down 1 , right 2 , down 4 , left 1 , up 3 , down 6 ,
right 2 , down 1 , left 3 , up 3 , left 1 , down 3 , left 3 .



Finish off and colour the picture you have drawn.

SYMMETRY

For each of these shapes draw in all the lines of symmetry. If there are no lines of symmetry write “*no lines of symmetry*” underneath the shape.



Complete each of these pictures making the dotted line a line of symmetry.

