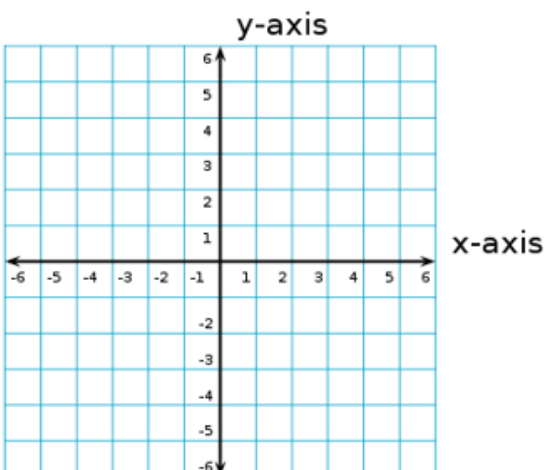
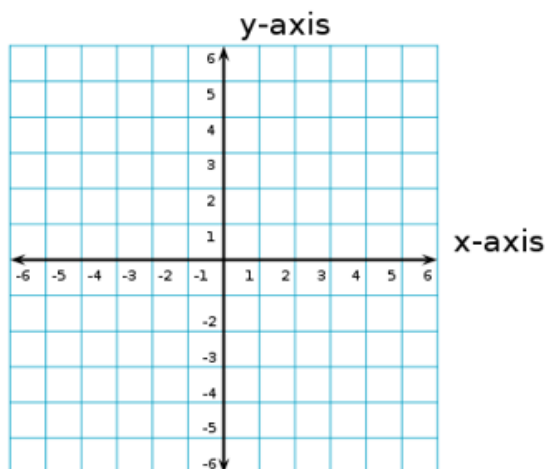
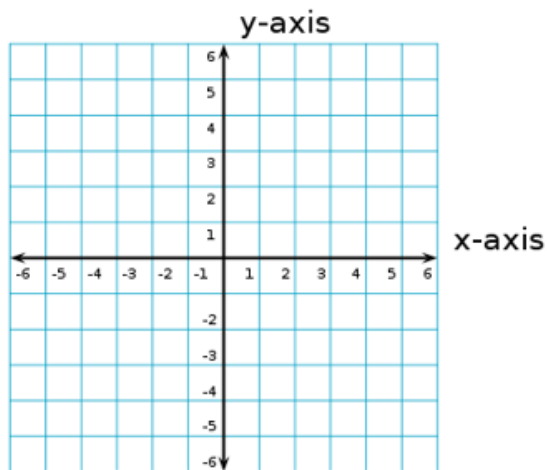


Maths today:

Task 1 - Plot co-ordinate points in all four quadrants. Remember, the first number in the brackets is the left and right co-ordinate (along the x axis) and the second number is the up and down coordinate (on the y axis). The answers are at the end.



Plotting Co-ordinates in four quadrants



Question 1

Plot the following co-ordinates on your grid. (remember to use a ruler!)

A (5, 2)

B (4, 4)

C (-1, 2)

D (-2, -3)

E (2, -5) Join E back to A

What is the name of this shape?

Question 2

Plot the following co-ordinates on your grid. (remember to use a ruler!)

A (3, 5)

B (0, 6)

C (-3, 5)

D (0, -5) Join D back to A

What is the name of this quadrilateral? _____

Question 3

Plot the following co-ordinates on your grid. (remember to use a ruler!)

A (-2, 5)

B (2, 5)

C (4, 3)

D (4, -1)

E (2, -5)

F (-2, -5)

G (-4, -1)

H (-4, 3)

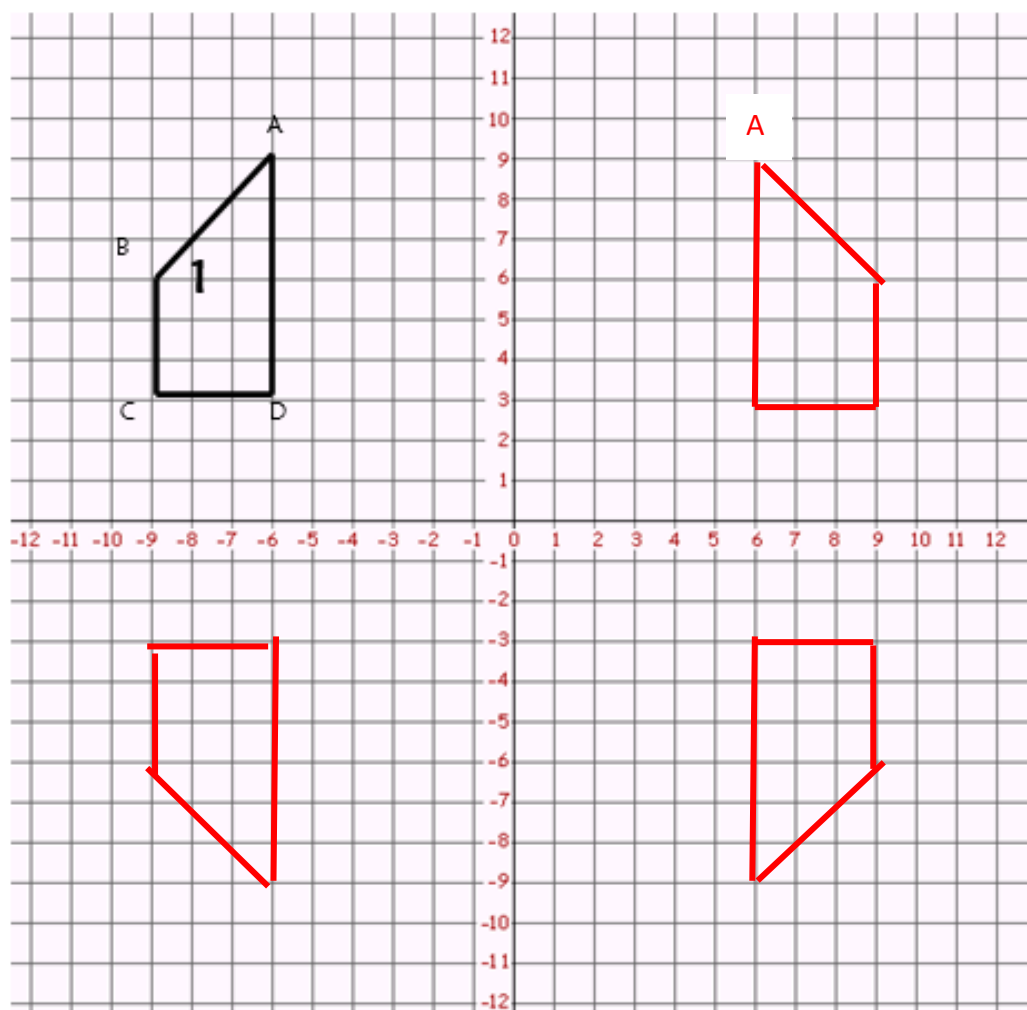
Join H to A

What is the name of this shape?

Task 2 Reflecting a shape in all 4 quadrants. I have done the first one for you. Remember, the axes are the mirror lines (or lines of symmetry) – count the squares carefully to make sure that each point of the original shape and the reflected shape are the same distance from the axis.

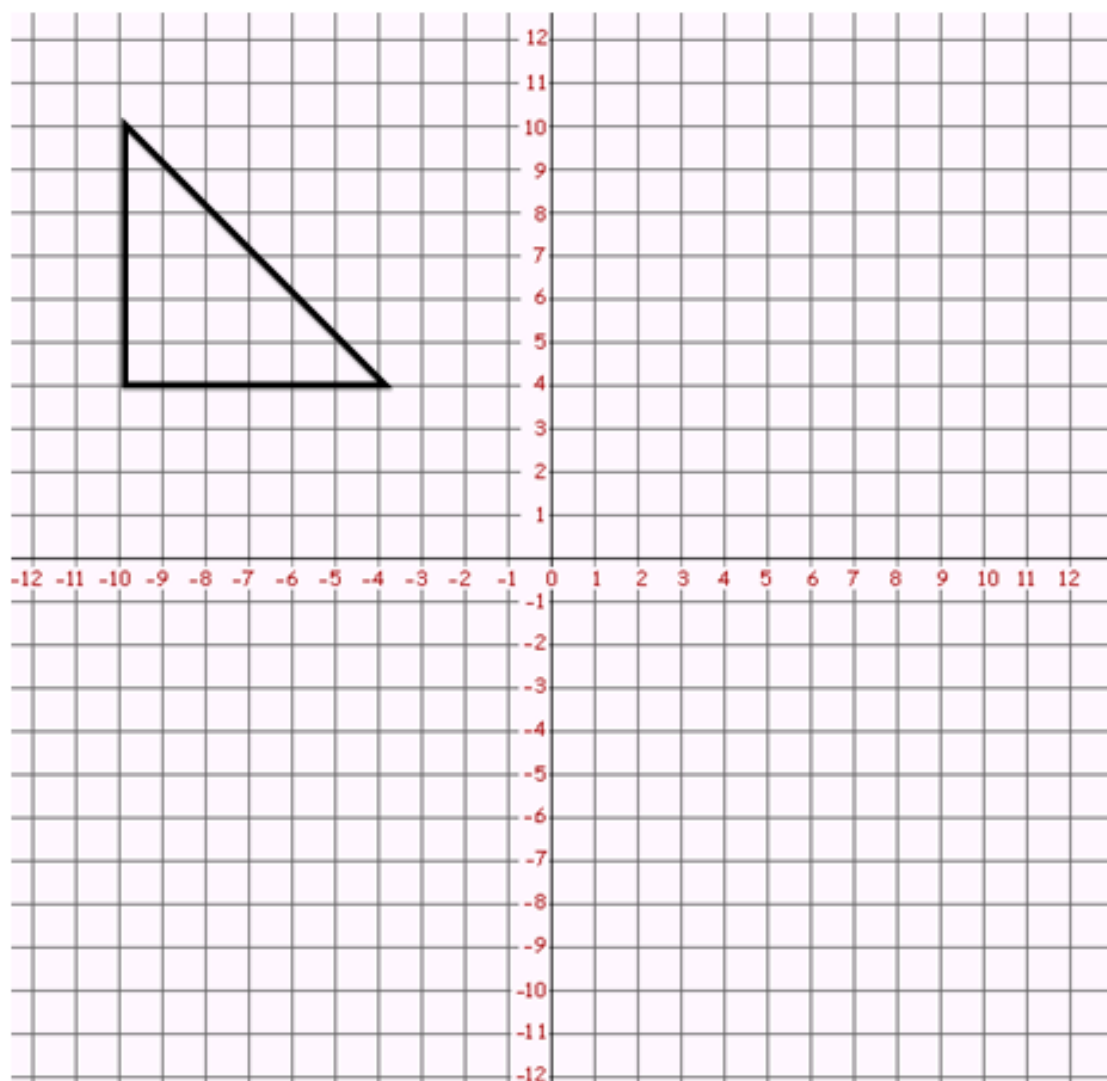
Reflection

Reflect the shape in all four quadrants



Label the shapes 1, 2, 3 and 4.
List the new coordinates in your book.

Now you try.



Label the shapes 1,2,3 and 4.
List the new coordinates in your book

Reflection in 4 Quadrants

Section A

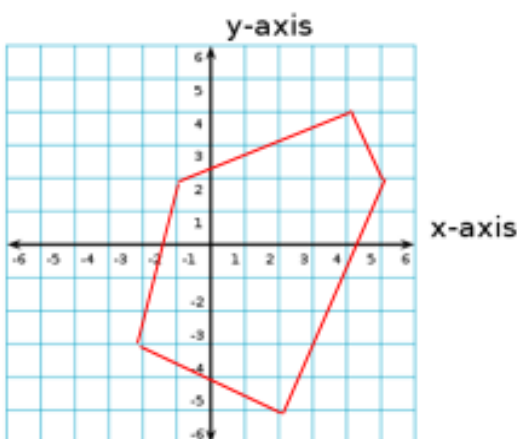
1. Draw a graph with 4 quadrants from 10 to -10.
2. Plot the points (3,3) (7,3) (7,9) (3,5)
3. Reflect the shape in all 4 quadrants
4. Label each shape 1,2,3 and 4
5. List the coordinates for each new shape

Section B

1. Draw a graph with 4 quadrants from 10 to -10.
 2. Plot the points (-2,4) (-2,6) (-5,9) (-5,5) (-6,1)
 3. Reflect the shape in all 4 quadrants
 4. Label each shape 1,2,3 and 4
 5. List the coordinates for each new shape
-



Plotting Co-ordinates in four quadrants **ANSWERS**



Question 1

Plot the following co-ordinates on your grid. (remember to use a ruler!)

A (5, 2)

B (4, 4)

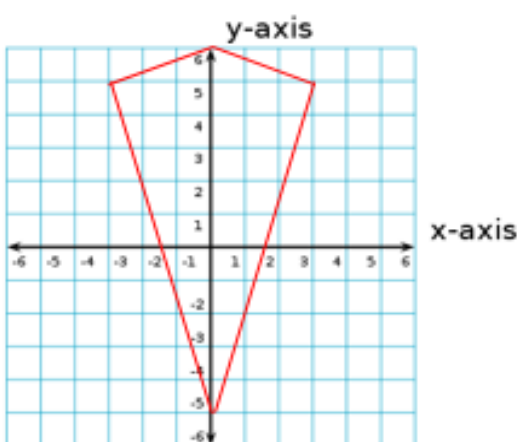
C (-1, 2)

D (-2, -3)

E (2, -5) Join E back to A

What is the name of this shape?

Pentagon



Question 2

Plot the following co-ordinates on your grid. (remember to use a ruler!)

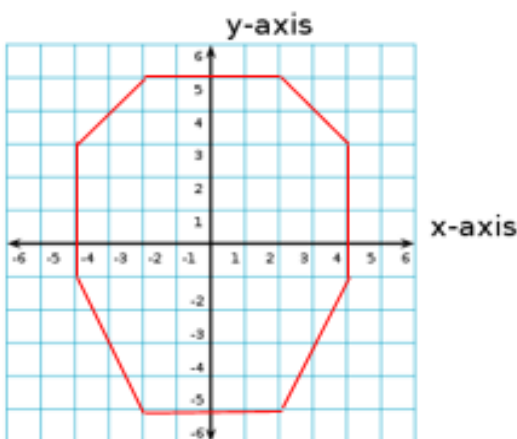
A (3, 5)

B (0, 6)

C (-3, 5)

D (0, -5) join D back to A

What is the name of this quadrilateral? Kite



Question 3

Plot the following co-ordinates on your grid. (remember to use a ruler!)

A (-2, 5)

B (2, 5)

C (4, 3)

D (4, -1)

E (2, -5)

F (-2, -5)

G (-4, -1)

H (-4, 3)

Join H to A

What is the name of this shape?

Octagon