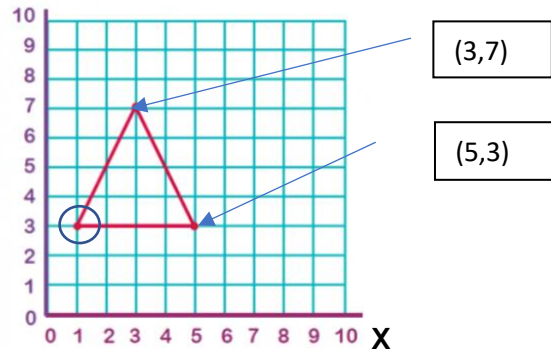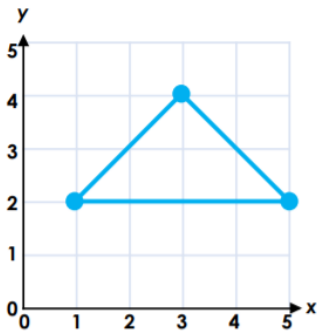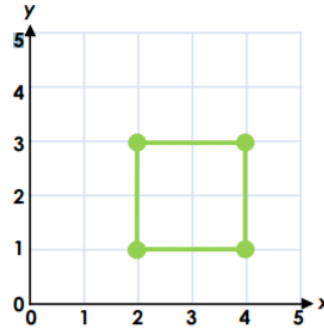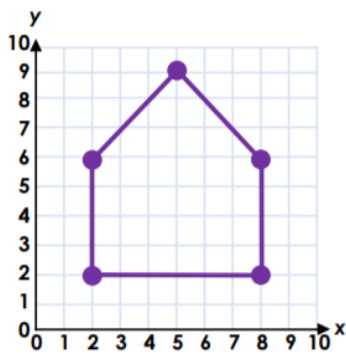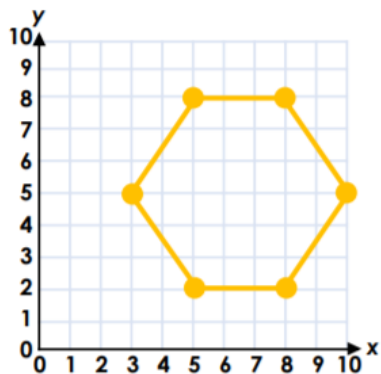|	
Monday 4.5.20 **Coordinates** Coordinates are numbers which tell you the position of a point in a particular space (on a map or a graph). They are always written in brackets, with the two numbers separated by a comma. Coordinates are ordered pairs of numbers; the first number shows the point on the **X axis** and the second the point shows the point on the **Y axis.**	**Monday 4.5.20** **E.g. The coordinates of the left-hand corner of this triangle are (1, 3).** Y (3,7) (5,3) To find a coordinate we can say you go along the corridor (X) then up the stairs (Y).
Monday 4.5.20 True or false? The coordinates of the triangle are: (1,2) (3,4) (5,2) **True**	**Monday 4.5.20** True or false? The coordinates of the triangle are: (1, 2) (3, 2) (1, 4) (3, 4) **False, the coordinates of the square are: (2, 1), (2, 3), (4, 3), (4, 1)**
Tuesday 5.5.20 True or false? The coordinates of the pentagon are: (7, 4) (5, 2) (5, 6) (2, 2) (2, 6) **False, the coordinates of the pentagon are: (2, 2), (2, 6), (5, 9), (8, 6), (8, 2)**	**Tuesday 5.5.20** True or false? The coordinates of the hexagon are: (10, 5) (3, 5) (8, 2) (5, 8) (5, 2) (8, 8) **True**
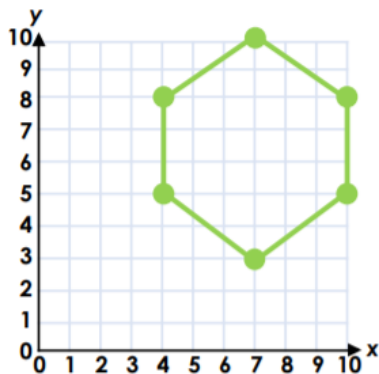
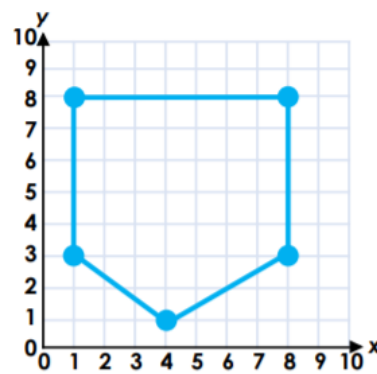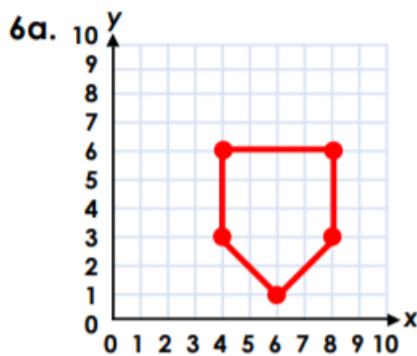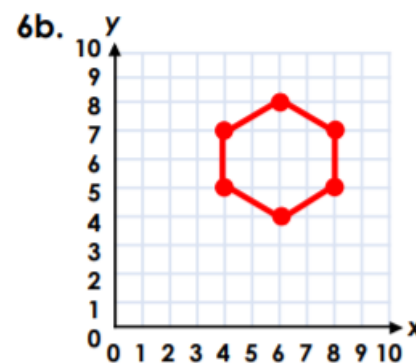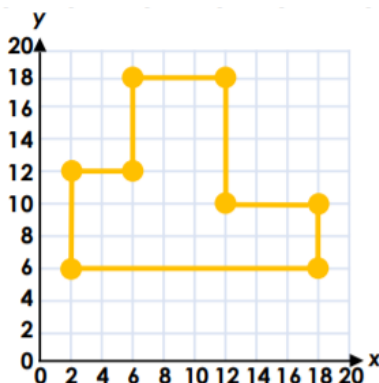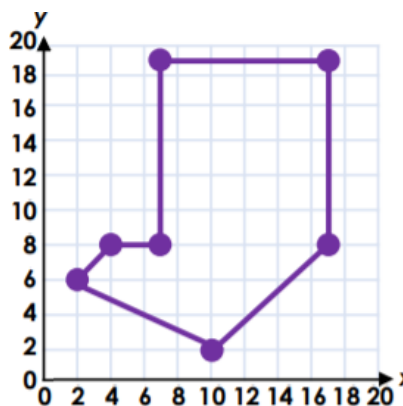|	
Tuesday 5.5.20 Write the coordinates of the hexagon. **(7, 3), (4, 5), (4, 8), (7, 10), (10, 8), (10, 5)**	**Tuesday 5.5.20** Write the coordinates of the pentagon. **(4,1), (1, 3), (1, 8), (8, 8), (8, 3)**
Wednesday 6.5.20 Plot the coordinates and join them to create a pentagon. (8, 6) (4, 6) (4, 3) (6, 1) (8, 3) 6a.	**Wednesday 6.5.20** Plot the coordinates and join them to create a hexagon. (6, 8) (4, 7) (4, 5) (6, 4) (8, 5) (8, 7) 6b.
Wednesday 6.5.20 True or false? The coordinates of the octagon are: (1, 6) (1, 12) (6, 12) (9, 6) (12, 10) (12, 18) (9, 10) (6, 9) **False, the coordinates of the octagon are: (2, 6), (2, 12), (6, 12), (6, 18), (12, 18), (12, 10), (18, 10) and (18, 6).**	**Wednesday 6.5.20** Write the coordinates of the heptagon. **(2, 6), (4, 8), (7, 8), (7, 19), (17, 19), (17, 8), (10, 2)**
Thursday 7.5.20 - Four quadrants	**Thursday 7.5.20**

We have looked at the first quadrant (part) of coordinate. Coordinates can have four quadrants (parts).

Quadrant 2 | Quadrant 1 | origin (0, 0)

Quadrant 3 | Quadrant 4
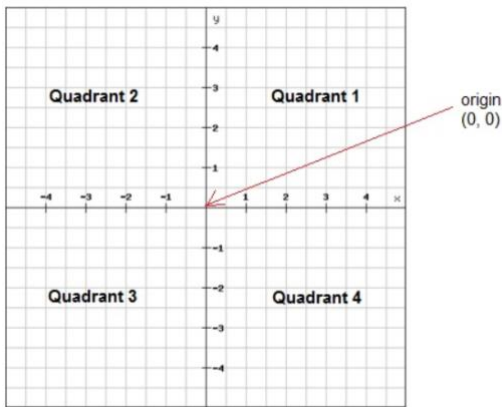
Follow the arrows in the examples to find the coordinate. Look out of the negative numbers!
Coordinates in the first quadrant

(2,2)
(5,2)
(9,5)
(6,7)
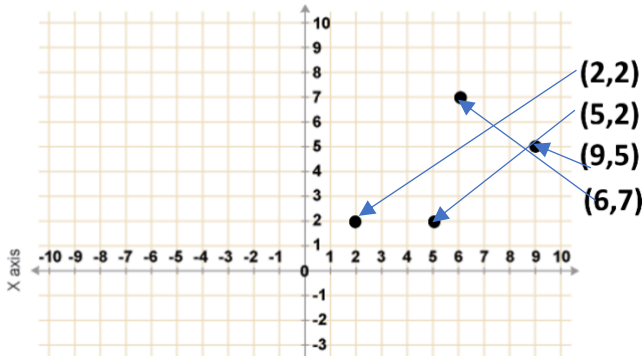
Coordinates in the second quadrant
(-2,2)
(-3,8)
(-7,7)
(-9,4)
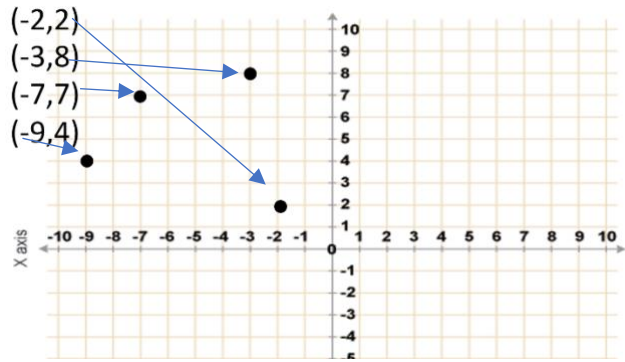
Coordinates in the third quadrant

(-3,-2)
(-9,-5)
(-7,-9)
(0,-6)
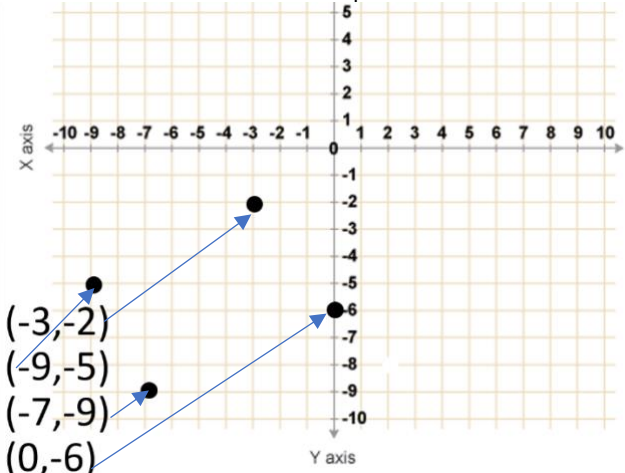
Thursday 7.5.20
Coordinates in the fourth quadrant

(4,-1)
(9,-7)
(5,-5)
(9,0)
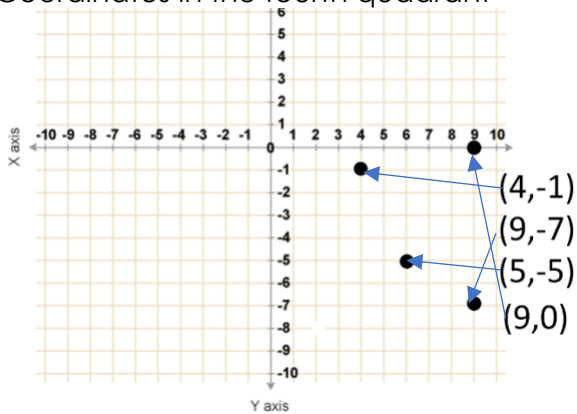
Coordinates in a four quadrants

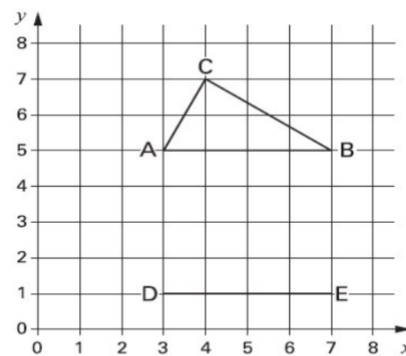(-3,0)
(-6,4)
(2,6)
(6,2)

(-9,-3)
(-1,-6)
(5,-1)
(9,-7)
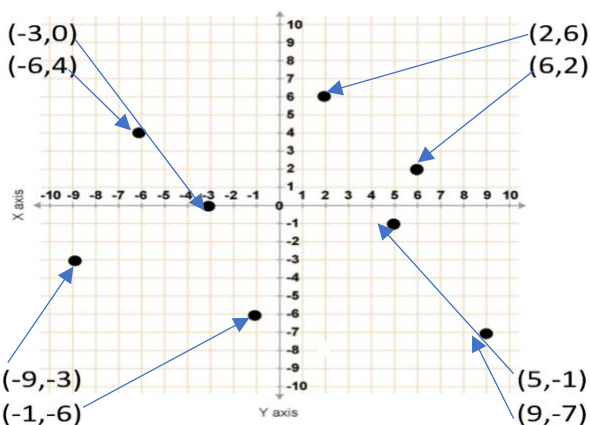
Thursday 7.5.20

Remember we always go along the corridor then up the stairs!

Kyle has drawn triangle **ABC** on this grid.

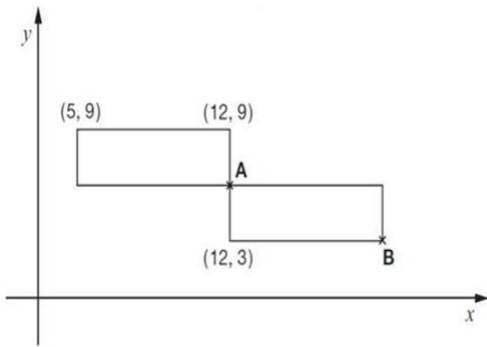Holly has started to draw an **identical** triangle **DEF**.

What will be the coordinates of point **F**?

(,   )

Coordinates of point F   (4,3)
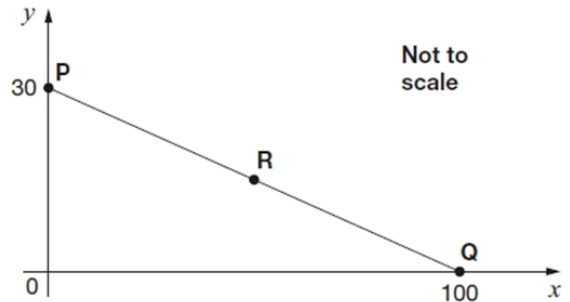
Friday 8.5.20

Friday 8.5.20

Home Learning answers for wb 4.5.20

Write the **coordinates** of point **A** and point **B**.

Coordinates of point A   (12,6)
Coordinates of point B   (19,3)

In this diagram **R** is an equal distance from **P** and **Q**.
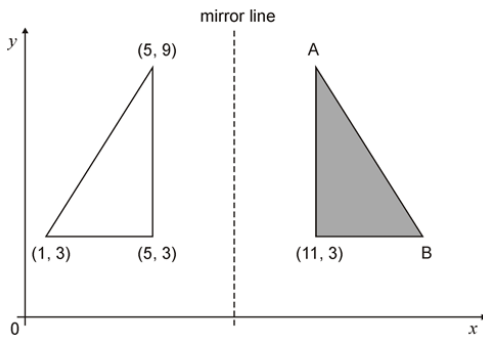

Not to scale

What are the coordinates of **R**?

Coordinates of point R   (50,15)

Friday 8.5.20

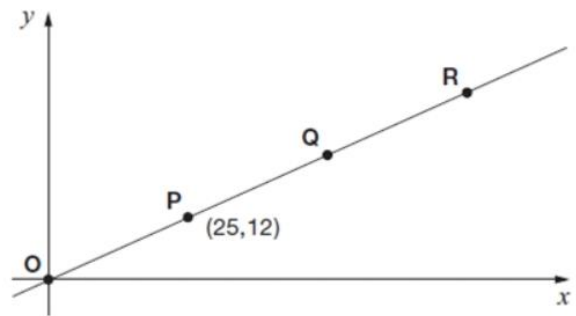The shaded triangle is a reflection of the white triangle in the mirror line.

Write the **co-ordinates** of point **A** and point **B**.

Coordinates of point A   (11,9)
Coordinates of point B   (15,3)

Friday 8.5.20

Here is a line on coordinate axes.

Points **O**, **P**, **Q** and **R** are equally spaced.

The coordinates of **P** are (25,12).

What are the coordinates of **R**?

Coordinates of point R   (75,36)