Coordinates
WORKSHEET#4

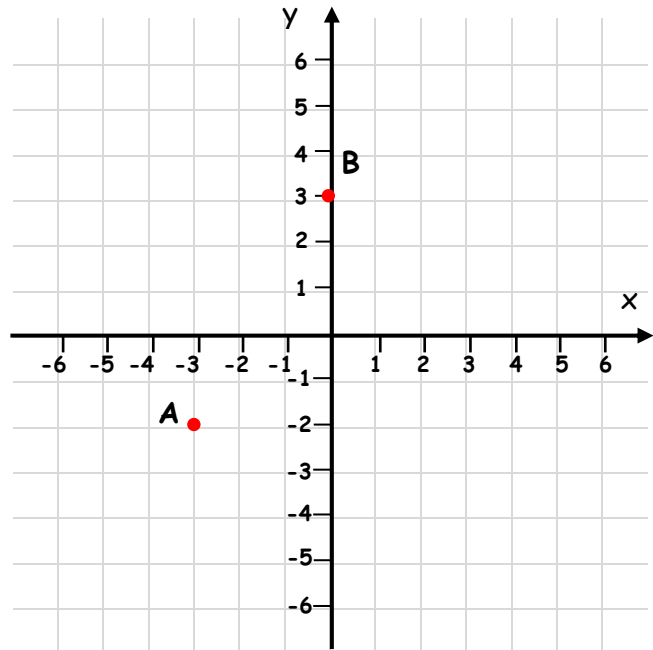**1.** The points A(-3, -2) and B(0, 3) are two vertices of a triangle.

a) List the coordinates of the third vertex of an isosceles triangle.

b) List two different coordinates for the third vertex of a scalene triangle.

c) List the coordinates of the third vertex of a triangle with one angle of 90.

d) List the coordinates of the third vertex of a triangle with all angles less than 90.

e) List two different coordinates for the third vertex of a triangle with one angle greater than 90.

2. The points D(-1, -2), E(2,1) and F(-1,4) are three vertices of a square.

a) Plot the points and join them in order, D to E and E to F.

b) Find the coordinates of the missing vertex G.

c) Complete the drawing of the square.

What do I need?
- 4-quadrant coordinate grid,
- ruler

1.

a) E.g. $C(3, -2)$;

b) E.g. $C(2, 0)$, $C(-3, -2)$;

c) E.g. $C(0, -2)$;

d) E.g. $C(3, 0)$;

e) E.g. $C(4, 4)$, $C(0, 0)$.

2.