Draw two grids like this in your book, then use one for each of the following questions.

1) a) Here are the coordinates of three vertices of a parallelogram where the secret agent found evidence. Plot these on your first grid. Remember to label each vertex.

Vertex **A**: (-1,2)

Vertex **B**: (-3,-2)

Vertex **C**: (2,-2)

b) Now plot vertex D, labelling its coordinates on the grid.

c) Complete the drawing of the parallelogram to show where the evidence was found.

2) The secret agent needs to draw two congruent isosceles triangles on a grid for surveillance.
Here are some of the coordinates of the vertices of both triangles.

(-1,4) (1,4) (5,4) (-3,-4)

a) Plot the above coordinates on your second grid.

b) Use these coordinates to help you plot the missing vertices of each isosceles triangle. Then, draw each triangle on the grid so that the secret agent can complete her route.