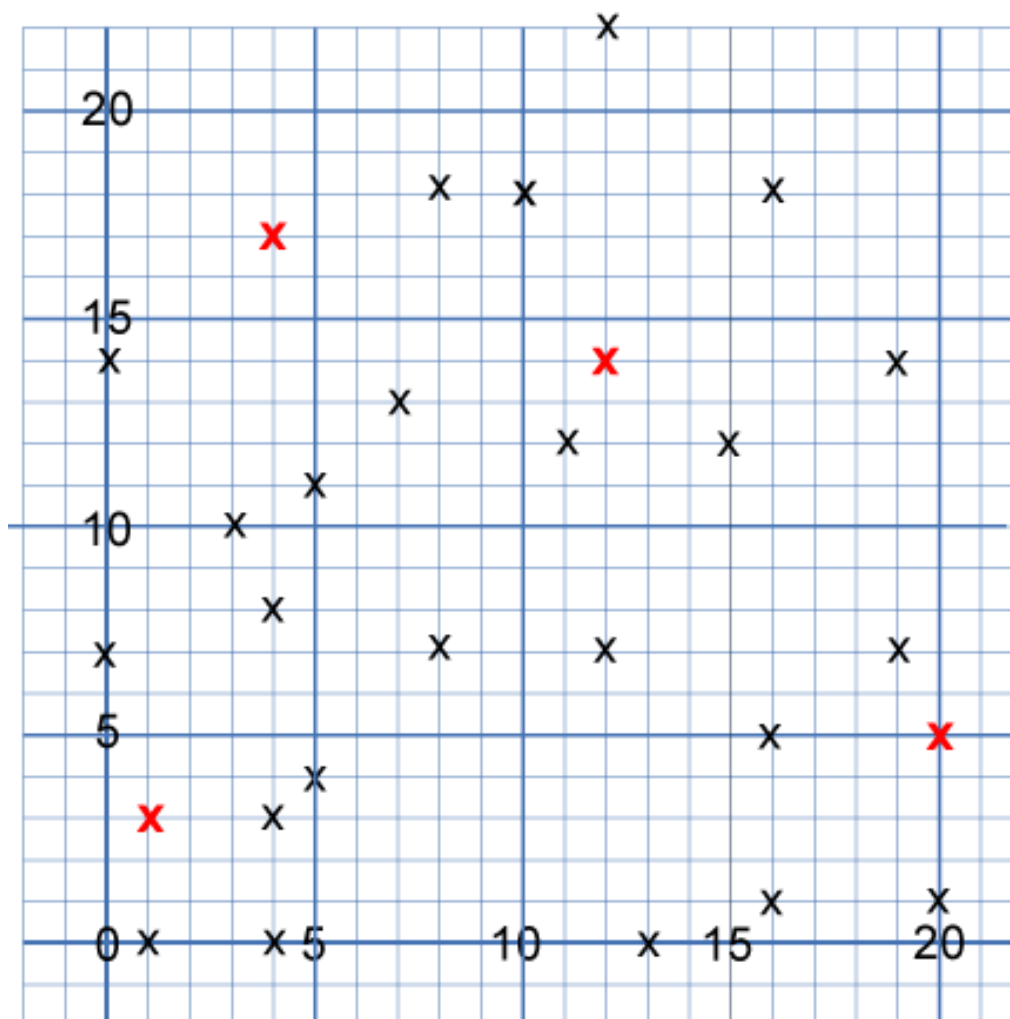On the graph below there are 28 marked points.

These points all mark the vertices (corners) of 8 hidden squares.

Each of the 4 red points is a vertex shared by two squares.

The other 24 points are each a vertex of just one square.

All of the squares share just one vertex with another square.

All the squares are different sizes.

There are no marked points on the sides of any square, only at the vertices.

Can you find the eight hidden squares?