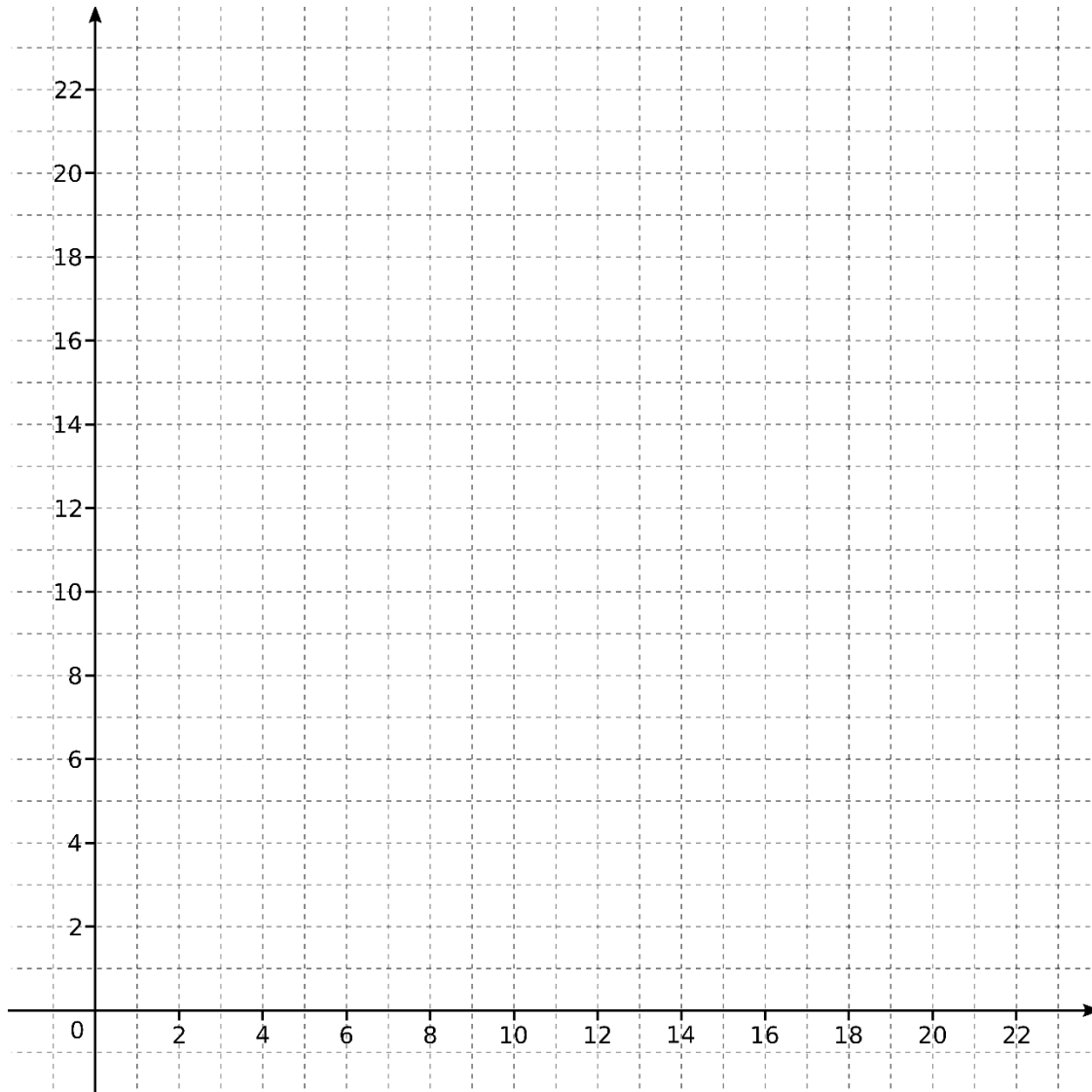


Use a ruler and set square to practise drawing tilted squares. Once you start drawing a square, can you predict where the other corners will be?



Describe how to construct a square when you are given two adjacent corners.

Describe how to construct a square when you are given two opposite corners.

Decide which of the collections of points below form a square.

Can you do this without plotting the points on a grid?

1. $(8,3), (7,8), (2,7), (3,2)$
2. $(3,3), (7,4), (8,8), (4,7)$
3. $(16,19), (18,22), (21,20), (19,17)$
4. $(4,20), (21,19), (20,2), (3,3)$