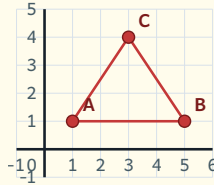


Drawing a shape from a list of co-ordinates

MODEL THIS ON THE BOARD

DRAWING A TRIANGLE FROM (1, 1), (5, 1), (3, 4)



- 1 Plot A (1, 1) — go 1 right, 1 up from the origin.
- 2 Plot B (5, 1) — same height as A, 5 right.
- 3 Plot C (3, 4) — 3 right, 4 up.
- 4 Join A→B→C→A with a ruler. The result is an **isosceles triangle**.

ANSWER KEY

- | | |
|--|------------------|
| a) Square (side 3). | Q1: (8, -4) → Q4 |
| b) Isosceles triangle (base 4, height 3). | Q2: 11 units |
| c) Rectangle (6 × 4). | Q3: 3 units |
| d) Square / diamond rotated 45° (vertices on the axes). | Q4: (-6, 9) → Q2 |

EXTENSION SHEET · STRETCH ANSWERS

- | | |
|------------------|------------------|
| S1: 6 units | S4: (8, -4) → Q4 |
| S2: (-6, 4) → Q2 | S5: 4 units |
| S3: 9 units | |