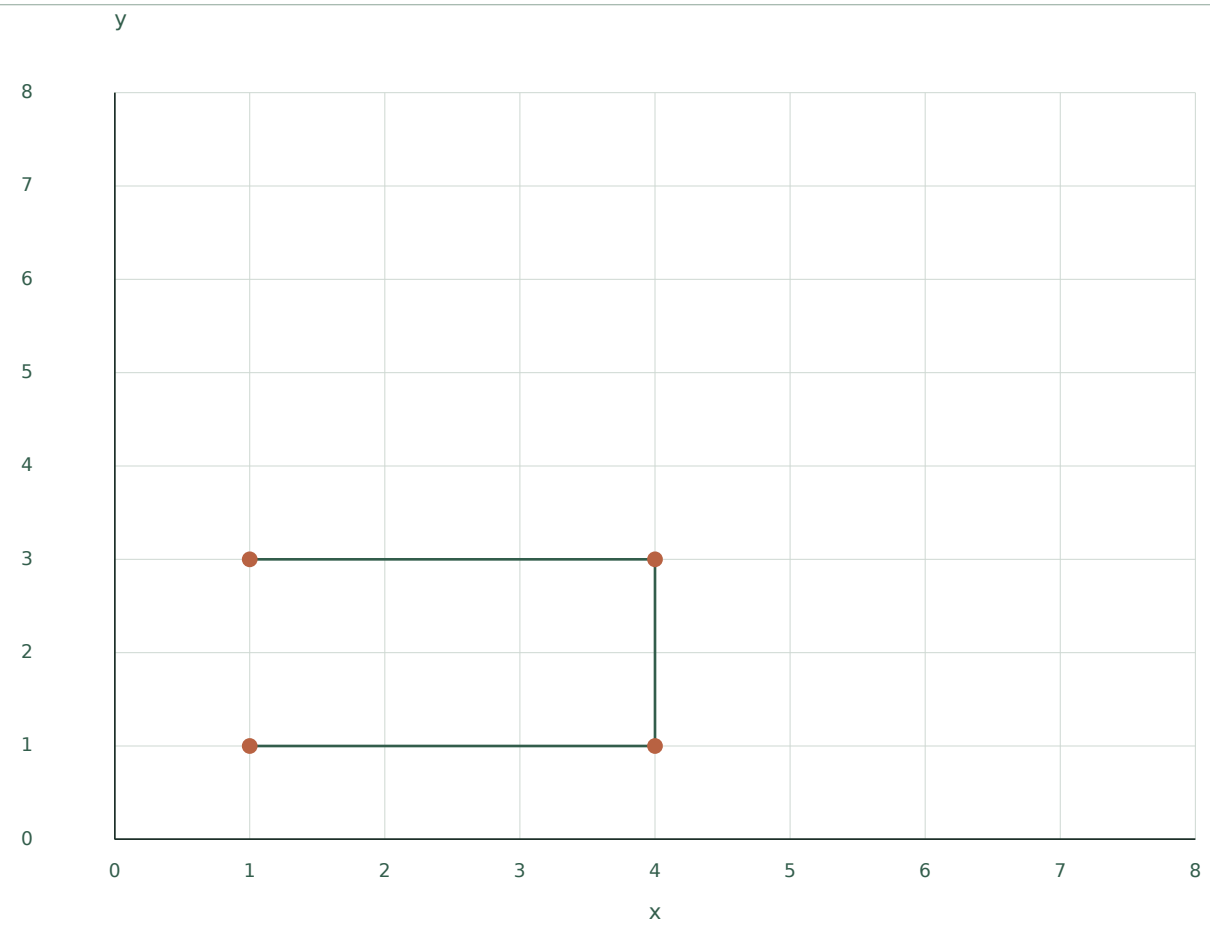
Pumpkin Graph: First-Quadrant Coordinate Plotting

Worked graph



Connect only the specified ordered points; a path closes only when the final segment returns to its start.

Pumpkin Graph: First-Quadrant Coordinate Plotting

Original worked example / unchanged complete key

Prompt: Plot and connect these four points in order: (1, 1), (4, 1), (4, 3), (1, 3). Describe the shape and state whether it is closed.

Answer: The points form a rectangle with corners at (1, 1), (4, 1), (4, 3), and (1, 3). Connecting in order draws the bottom edge from (1, 1) to (4, 1), the right edge up to (4, 3), and the top edge left to (1, 3). The list does not say to connect (1, 3) back to (1, 1), so the shape is open on the left side unless that final connection is added.