Graphing Functions on Restricted Domains with Endpoint Marks

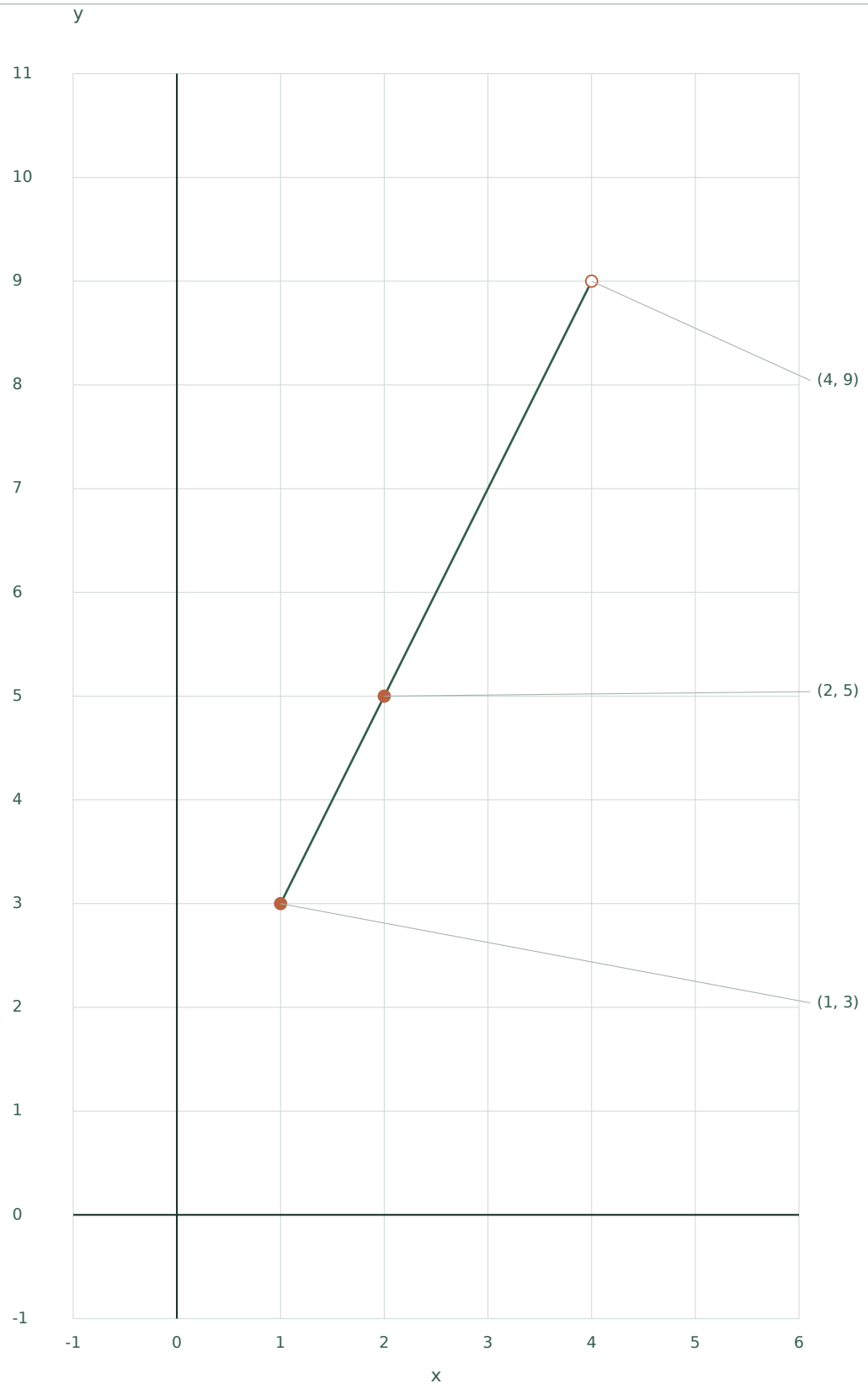
Original worked example / unchanged complete key

Prompt: Graph f(x) = 2x + 1 for the domain [1, 4). Mark endpoints correctly.

Answer: Endpoint at x = 1: f(1) = 3, closed dot at (1, 3). Endpoint at x = 4: f(4) = 9, open dot at (4, 9). Interior point at x = 2: f(2) = 5, plot (2, 5). Connect (1, 3) through (2, 5) to (4, 9) with a straight segment; do not extend beyond x = 1 or x = 4.

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Worked example: f(x) = 2x + 1 on [1, 4)



Worked reference: closed dot at (1, 3), open dot at (4, 9), straight segment only between x = 1 and x = 4. Coordinate labels sit outside the plot; thin grey leaders are annotations, not function curves.