Graphing Linear Functions Worksheet: Slope-Intercept Practice

Original worked example / complete source key

Prompt: Graph y = (2/3)x - 1 on a grid where each square is one unit. Identify the intercept, plot a second point, and verify it.

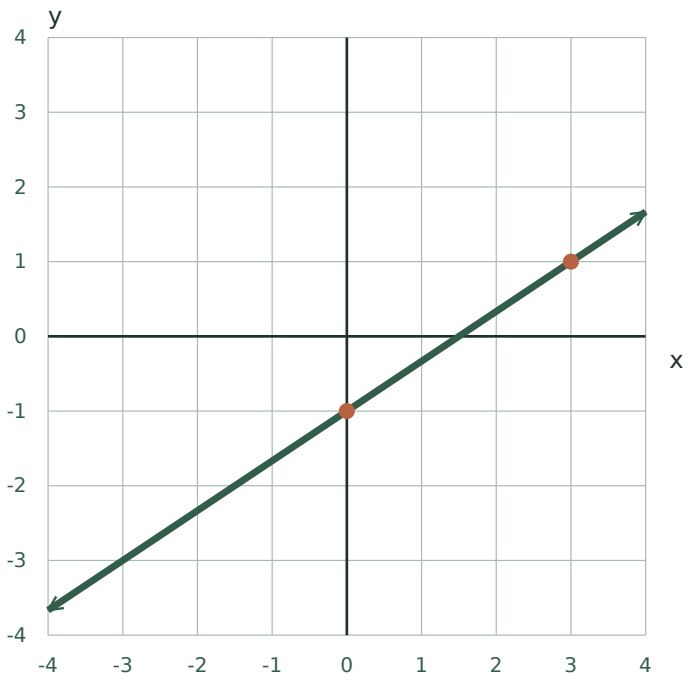
Answer: The y-intercept is (0, -1). The slope 2/3 means rise 2, run 3. From (0, -1), move 3 right and 2 up to (3, 1). Substituting: 1 = (2/3)(3) - 1 = 2 - 1 = 1, so the point checks. Draw a straight line through (0, -1) and (3, 1).

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Worked example / completed source graph

Graph y = (2/3)x - 1 on a grid where each square is one unit. Identify the intercept, plot a second point, and verify it.

Line 1 (solid green): y = (2/3)x - 1



A complete line continues beyond this display window; arrowheads show continuation.

Marked point: (0, -1).
Marked point: (3, 1).

Horizontal interval = 1; vertical interval = 1. This is a display window, not a new domain.