Linear Graphs Worksheet: Plotting from Tables, Intercepts, and Slope

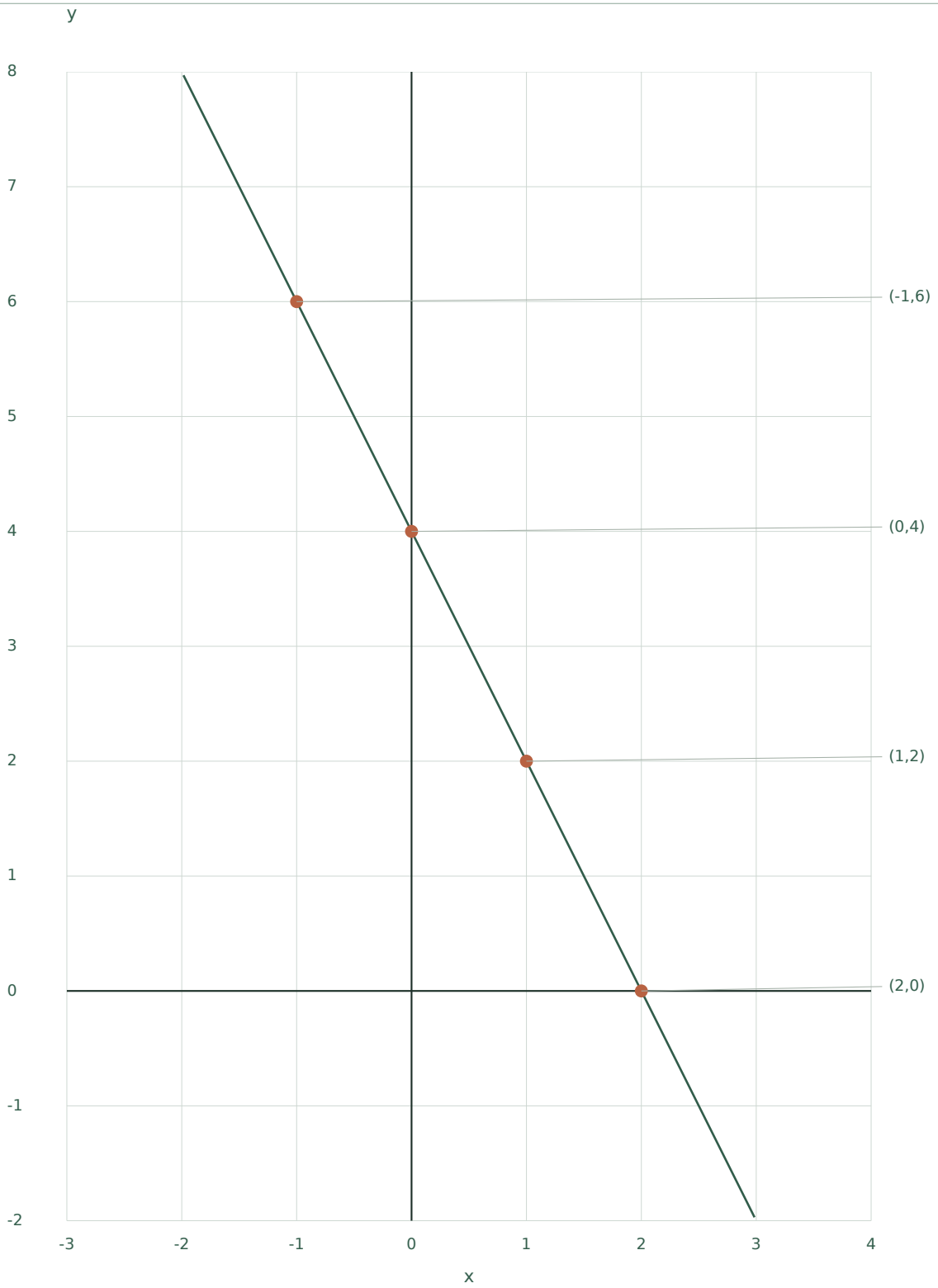
Original worked example / unchanged complete key

Prompt: Plot the line y = -2x + 4 using a table of values with x = -1, 0, 1, 2.

Answer: Table: x=-1 gives y=6; x=0 gives y=4; x=1 gives y=2; x=2 gives y=0. Plot (-1,6), (0,4), (1,2), (2,0) and draw a straight line through them. The line has slope -2 and y-intercept 4.

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Worked example: y = -2x + 4 from a table



Reference plot for the worked example; chosen viewing window -3..4 by -2..8. Coordinate labels sit outside the plot; thin grey leaders are annotations, not function curves.