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

Original task 1 / independent drawing and calculation

Task 1

Plot y = 3x - 2 using a table with x = -1, 0, 1, 2.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.



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Original task 2 / independent drawing and calculation

Task 2

Plot 2x + 5y = 10 using x- and y-intercepts.

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.



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Original task 3 / independent drawing and calculation

Task 3

Plot the line with slope 1/2 passing through (4, 1).

Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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Original task 4 / independent drawing and calculation

Task 4

Plot y = -x + 3 using any method.

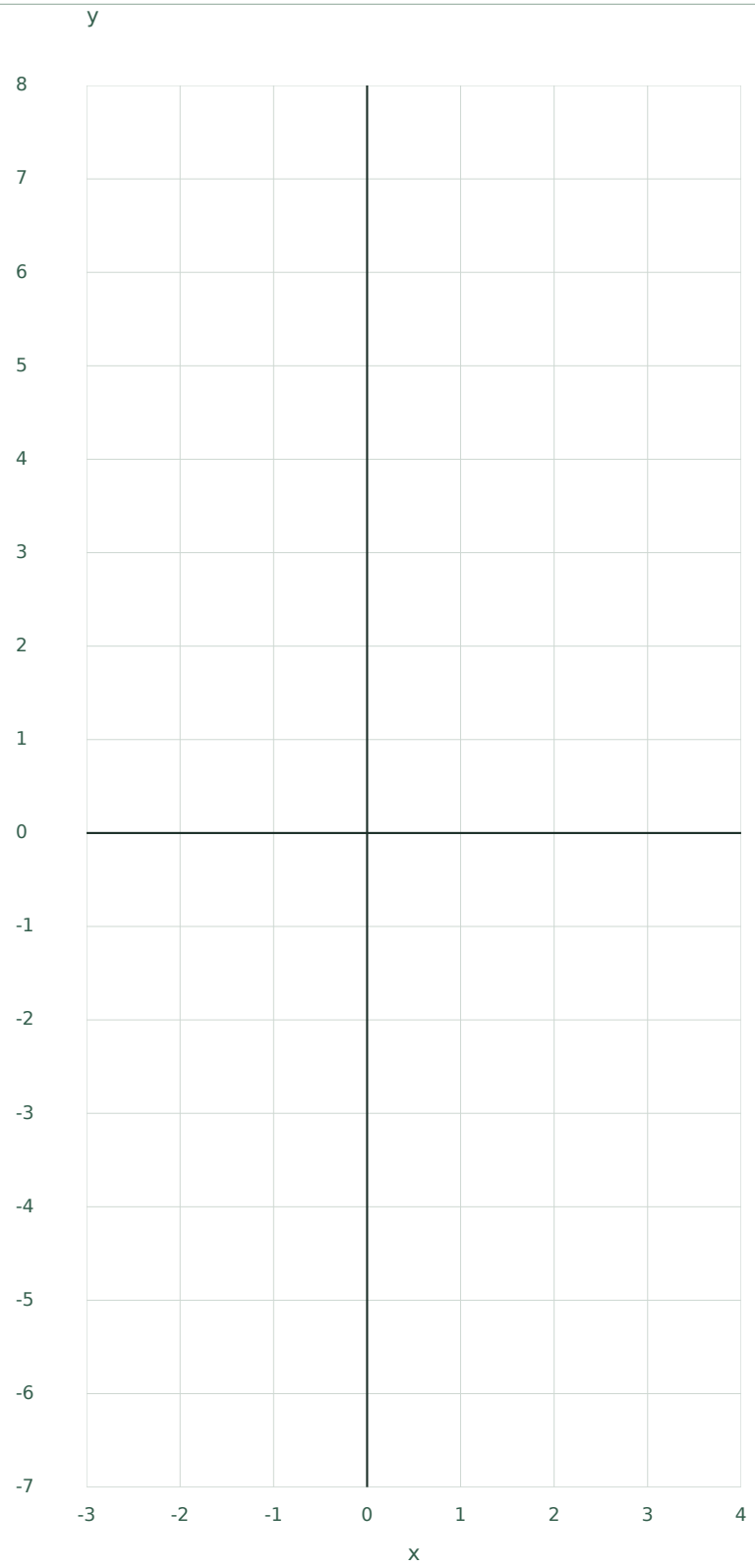
Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

Full drawing sheet / reusable blank workspace

Reusable full drawing sheet for Tasks 1 to 4. Print another copy when needed. Keep all original task measurements; if a task specifies larger paper, use that paper size.

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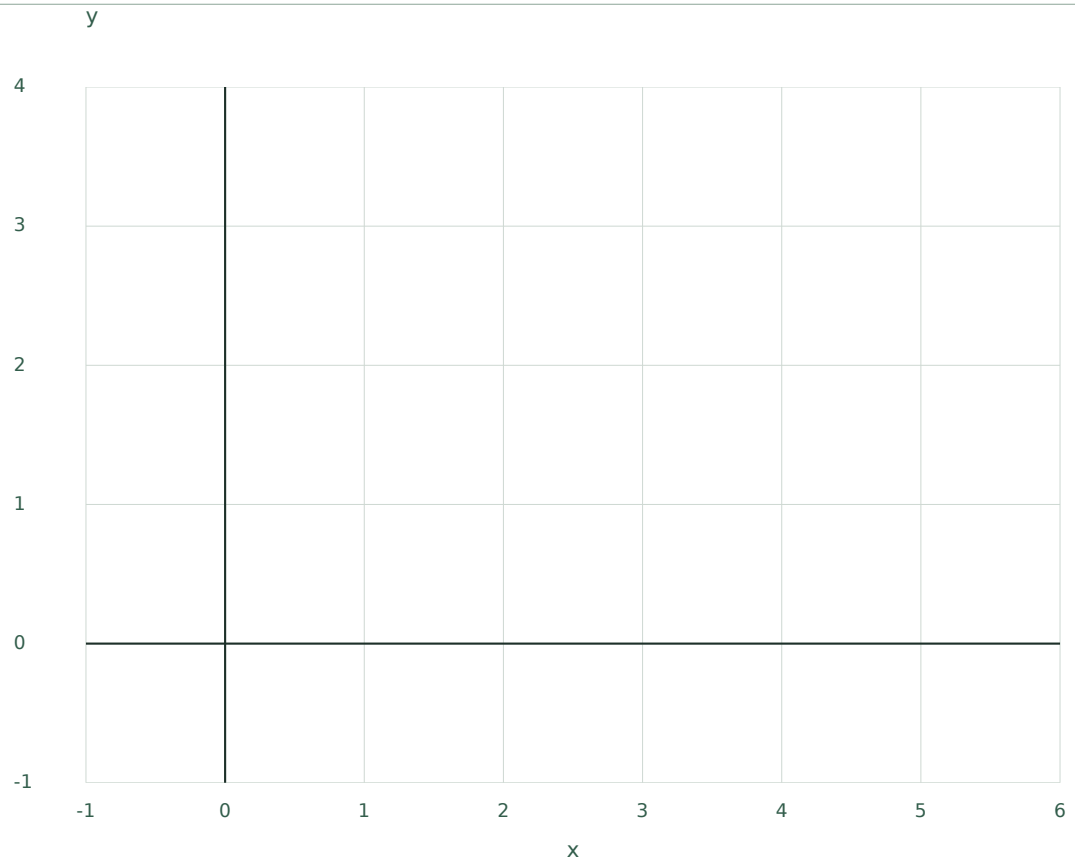
Task 1 grid: plot y = 3x - 2 from a table



Blank student grid; chosen window -3..4 by -7..8 accommodates x=-1..2 and check x=3.

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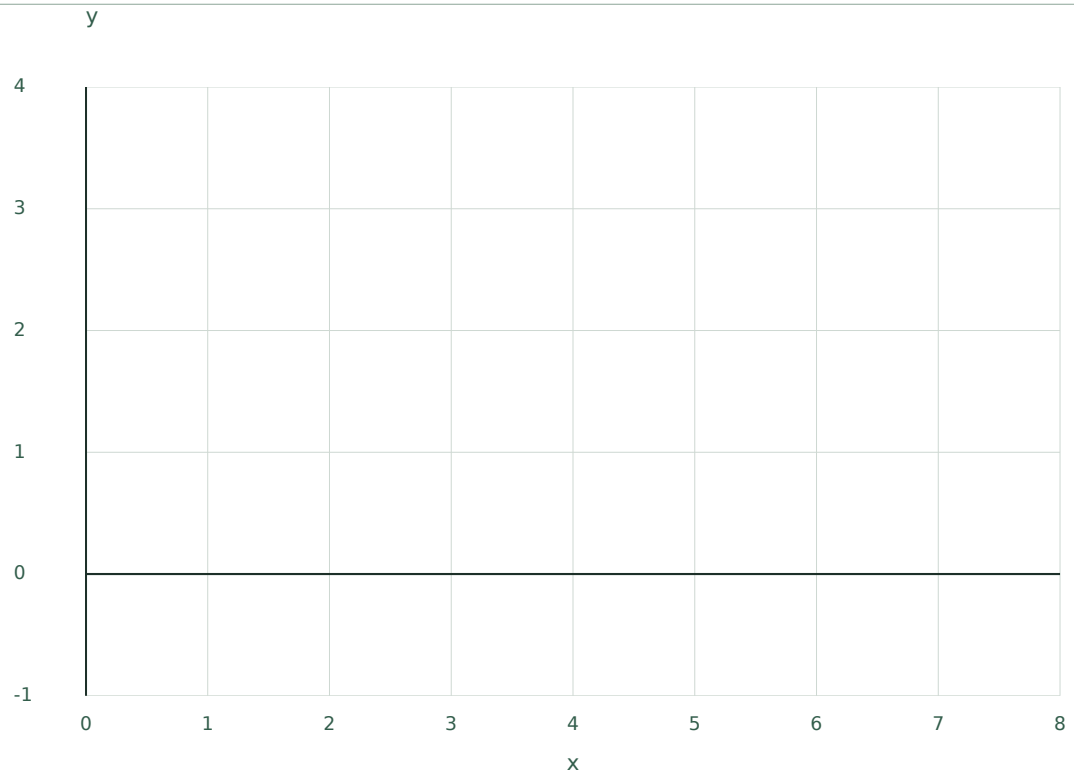
Task 2 grid: plot 2x + 5y = 10 by intercepts



Blank student grid; chosen window -1..6 by -1..4 contains intercepts (5,0) and (0,2).

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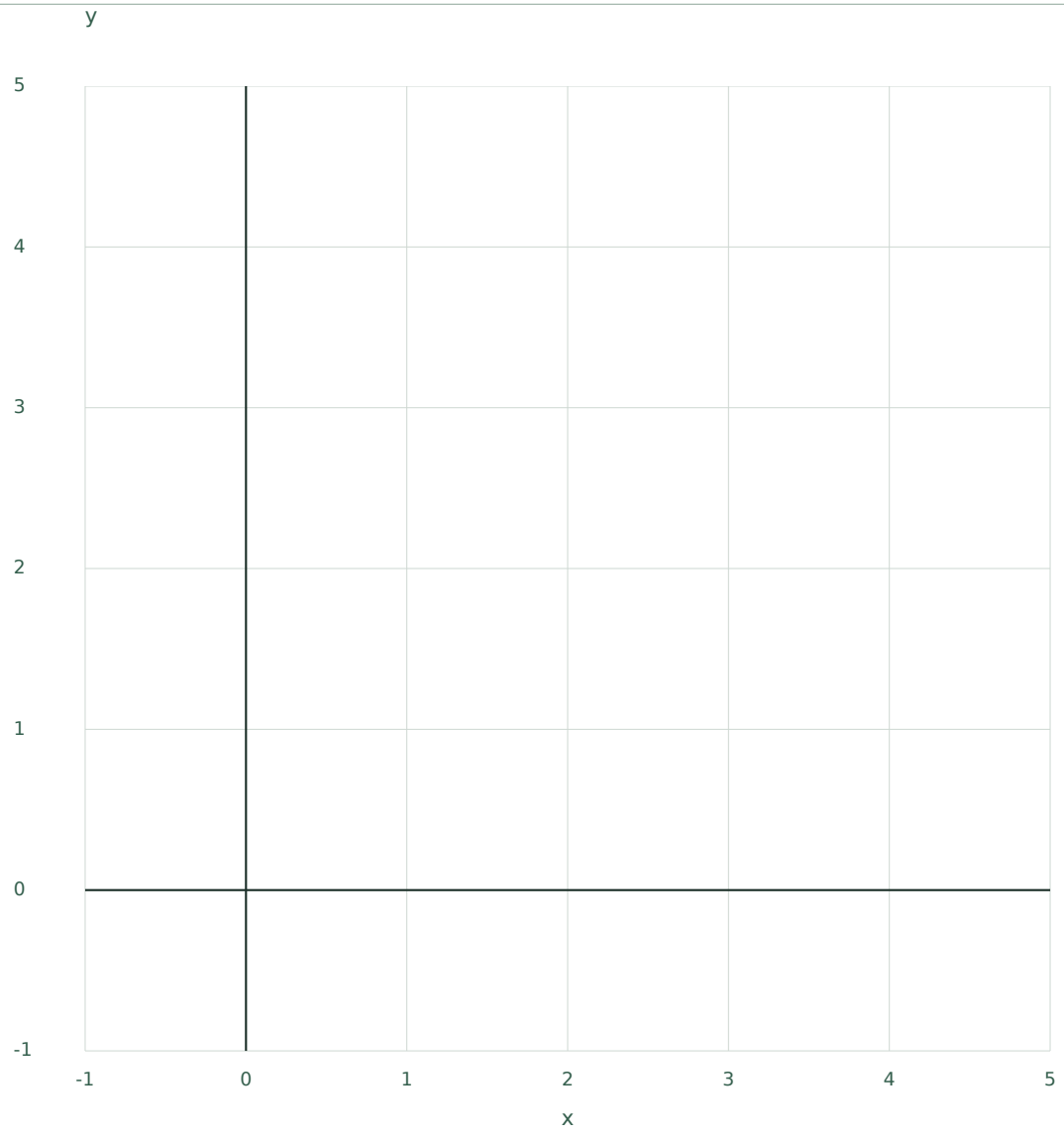
Task 3 grid: slope 1/2 through (4,1)



Blank student grid; chosen window 0..8 by -1..4 contains (4,1), (6,2), and check (2,0).

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Task 4 grid: plot y = -x + 3 by any method



Blank student grid; chosen window -1..5 by -1..5 contains intercepts (0,3) and (3,0).