Plotting Lines from y = mx + b: Slope-Intercept Practice

Original tasks 1, 2 / independent work

Task 1

Plot the line y = 3x - 1. State the intercept, the rise, the run, and two points on the line.

Task 2

Plot the line y = -1/2 x + 2. State the intercept, the rise, the run, and two points on the line.

Plotting Lines from y = mx + b: Slope-Intercept Practice

Original tasks 3, 4 / independent work

Task 3

Plot the line y = 4x + 0. State the intercept, the rise, the run, and two points on the line.

Task 4

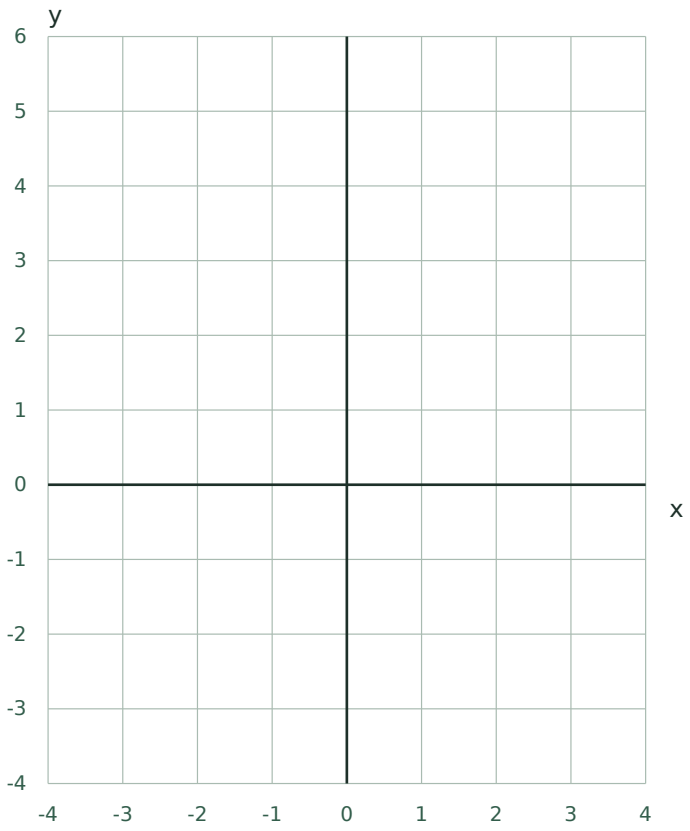
Plot the line y = -3x - 2. State the intercept, the rise, the run, and two points on the line.

Plotting Lines from y = mx + b: Slope-Intercept Practice

Task 1 / empty source grid

Plot the line y = 3x - 1. State the intercept, the rise, the run, and two points on the line.

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



Student grid: plot your own points and source line(s). No solution is prefilled.

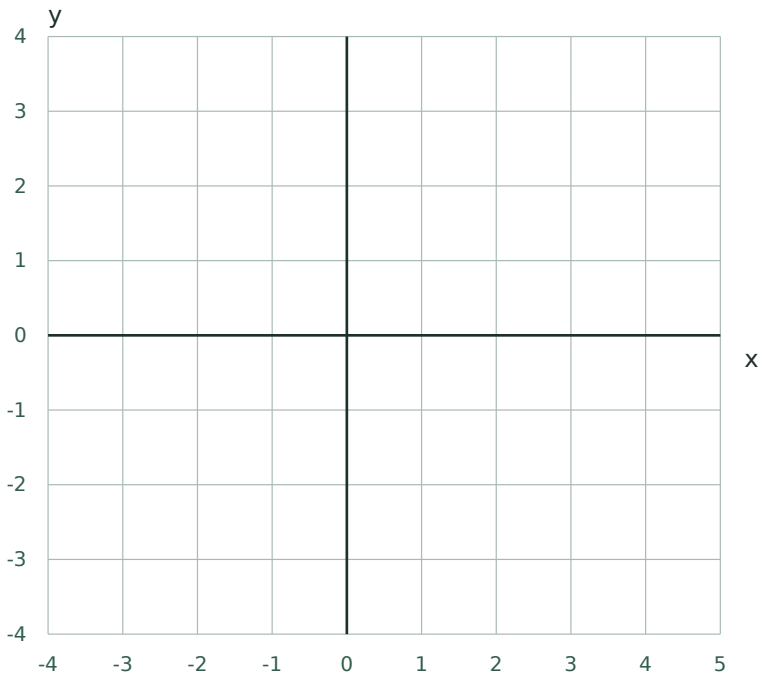
Horizontal interval = 1; vertical interval = 1. This is a display window, not a new domain.

Plotting Lines from y = mx + b: Slope-Intercept Practice

Task 2 / empty source grid

Plot the line y = -1/2 x + 2. State the intercept, the rise, the run, and two points on the line.

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



Student grid: plot your own points and source line(s). No solution is prefilled.

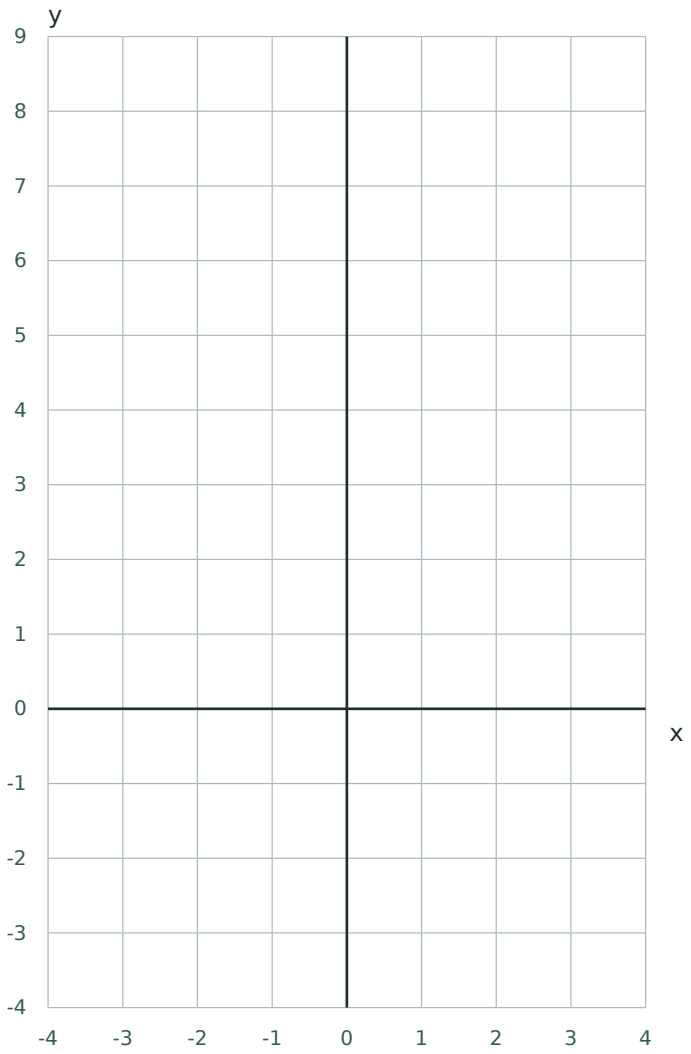
Horizontal interval = 1; vertical interval = 1. This is a display window, not a new domain.

Plotting Lines from y = mx + b: Slope-Intercept Practice

Task 3 / empty source grid

Plot the line y = 4x + 0. State the intercept, the rise, the run, and two points on the line.

Line 1 (solid green): y = 4x + 0



Student grid: plot your own points and source line(s). No solution is prefilled.

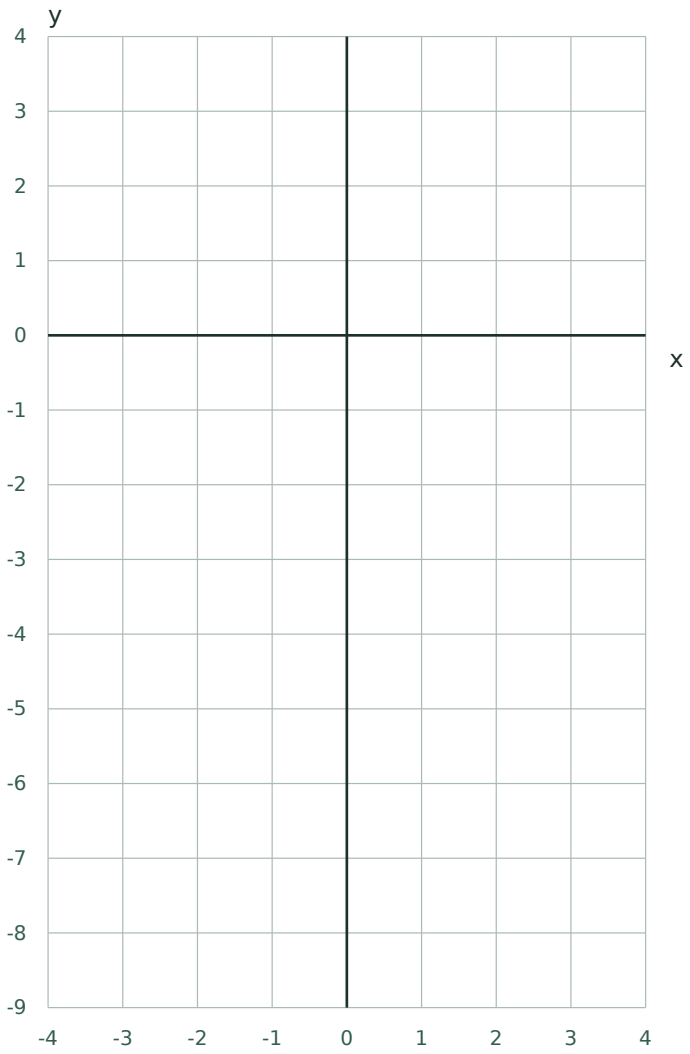
Horizontal interval = 1; vertical interval = 1. This is a display window, not a new domain.

Plotting Lines from y = mx + b: Slope-Intercept Practice

Task 4 / empty source grid

Plot the line y = -3x - 2. State the intercept, the rise, the run, and two points on the line.

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



Student grid: plot your own points and source line(s). No solution is prefilled.

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