# Slope Graph Maker: Build Lines from m and b

Slope practice worksheet: four equation prompts / 1 of 2

Practice sheet: prediction column, plotting grid, three-observation record column. Values left blank for students.

| | |
|---|---|
| Exercise 1: y = 3x - 2 (1 unit per square) | |
| Exercise 2: y = -1x + 4 (1 unit per square) | |
| Exercise 3: y = 0x + 3 (1 unit per square) | |
| Exercise 4: y = 1x + 2 (2 units per square) | |
| Predicted intercept (0, b) | |
| Predicted direction (rises/falls/horizontal) | |
| Predicted extra point | |

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Slope practice worksheet: four equation prompts / 2 of 2

Practice sheet: prediction column, plotting grid, three-observation record column. Values left blank for students.

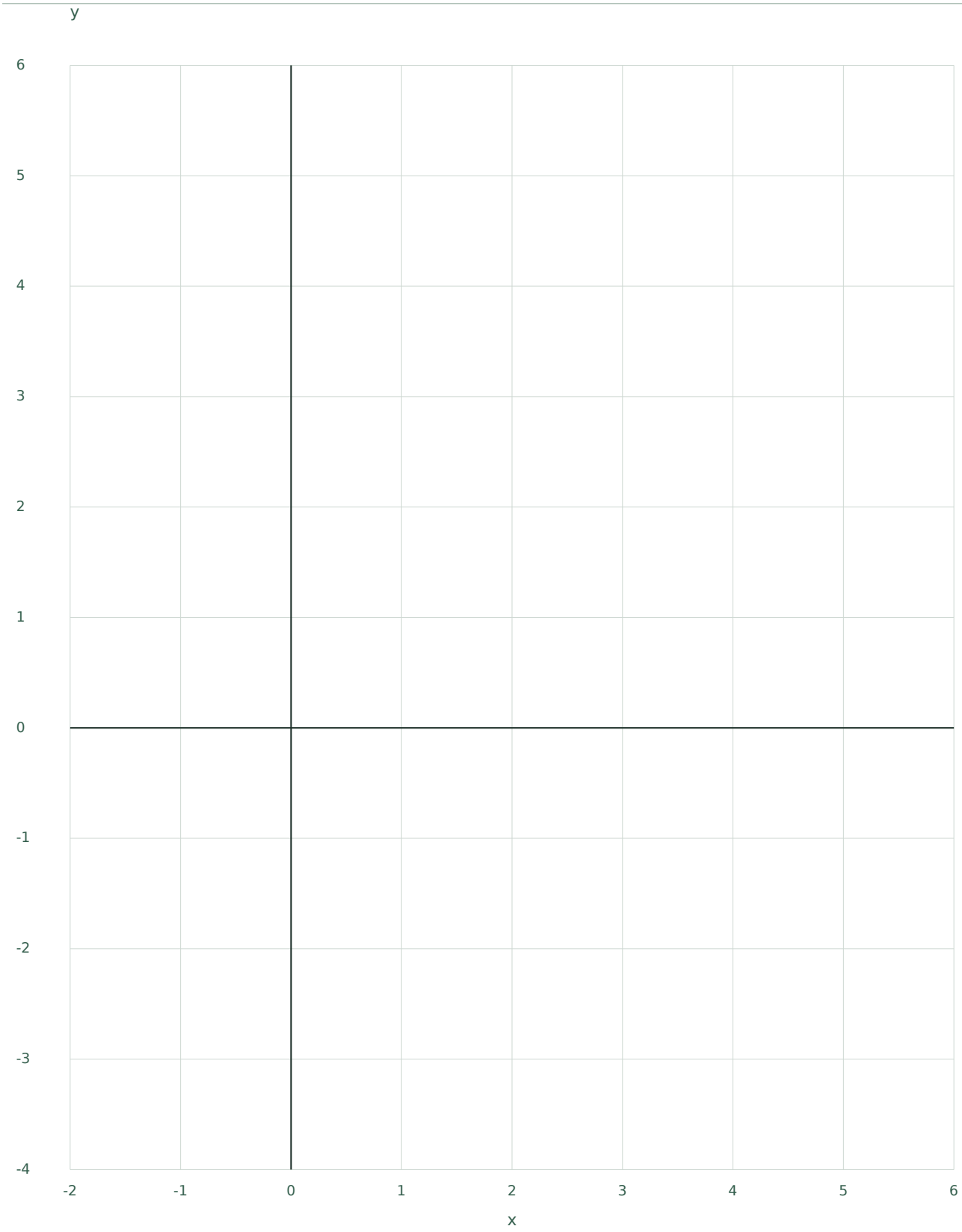
| | |
|---|---|
| Observation 1: direction | |

| | |
|---|---|
| Observation 2: intercept | |

| | |
|---|---|
| Observation 3: test point | |

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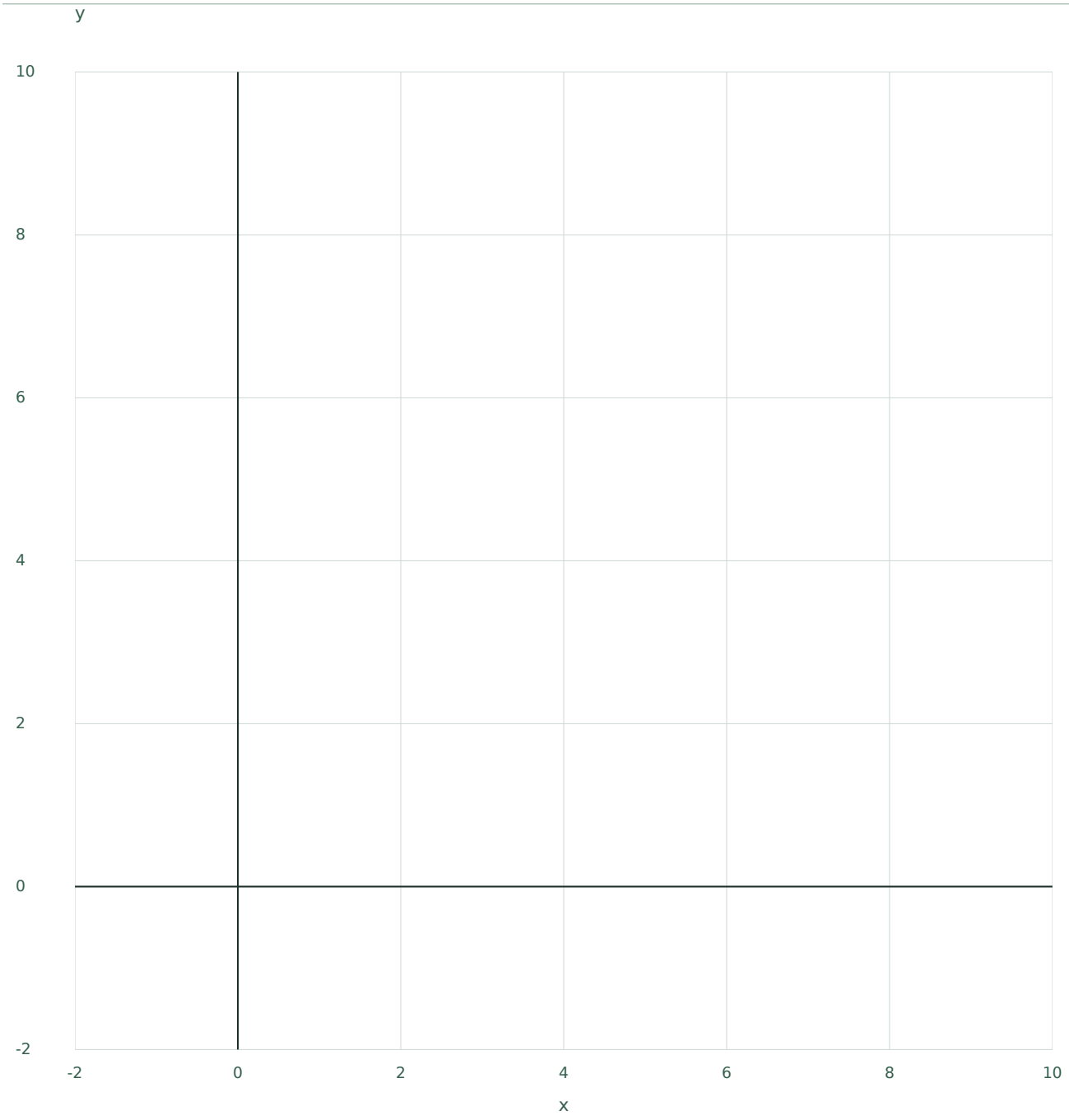
Worksheet plotting grid: 1 unit per square




Blank grid for student plotting.

# Slope Graph Maker: Build Lines from m and b

Worksheet plotting grid: 2 units per square




Blank grid for student plotting.

# Slope Graph Maker: Build Lines from m and b

Original tasks 1, 2, 3 / blank responses

Task 1

Plot y = 3x - 2 on a grid with 1 unit per square. State the intercept, direction, and one extra point.

Task 2

Plot y = -1x + 4 on a grid with 1 unit per square. State the intercept, direction, and one extra point.

Task 3

Plot y = 0x + 3 on a grid with 1 unit per square. Describe the line and give two points on it.

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Original tasks 4 / blank responses

Task 4

A grid uses 2 units per square on both axes. Plot y = 1x + 2. State how many squares right and up to move from the intercept, and give one extra point in grid units.