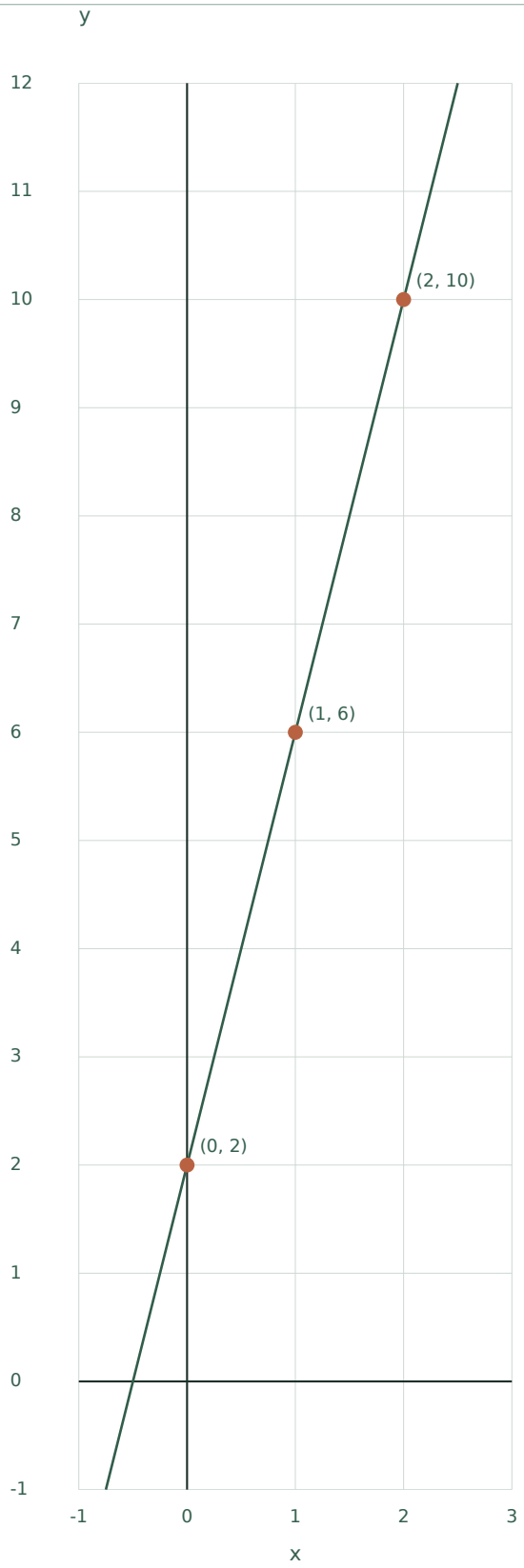
Link Tables, Graphs, and Equations for Linear Relationships

Diagram 1: y = 4x + 2 (worked example)



Straight line crossing y-axis at (0,2); passes through (1,6) and (2,10).

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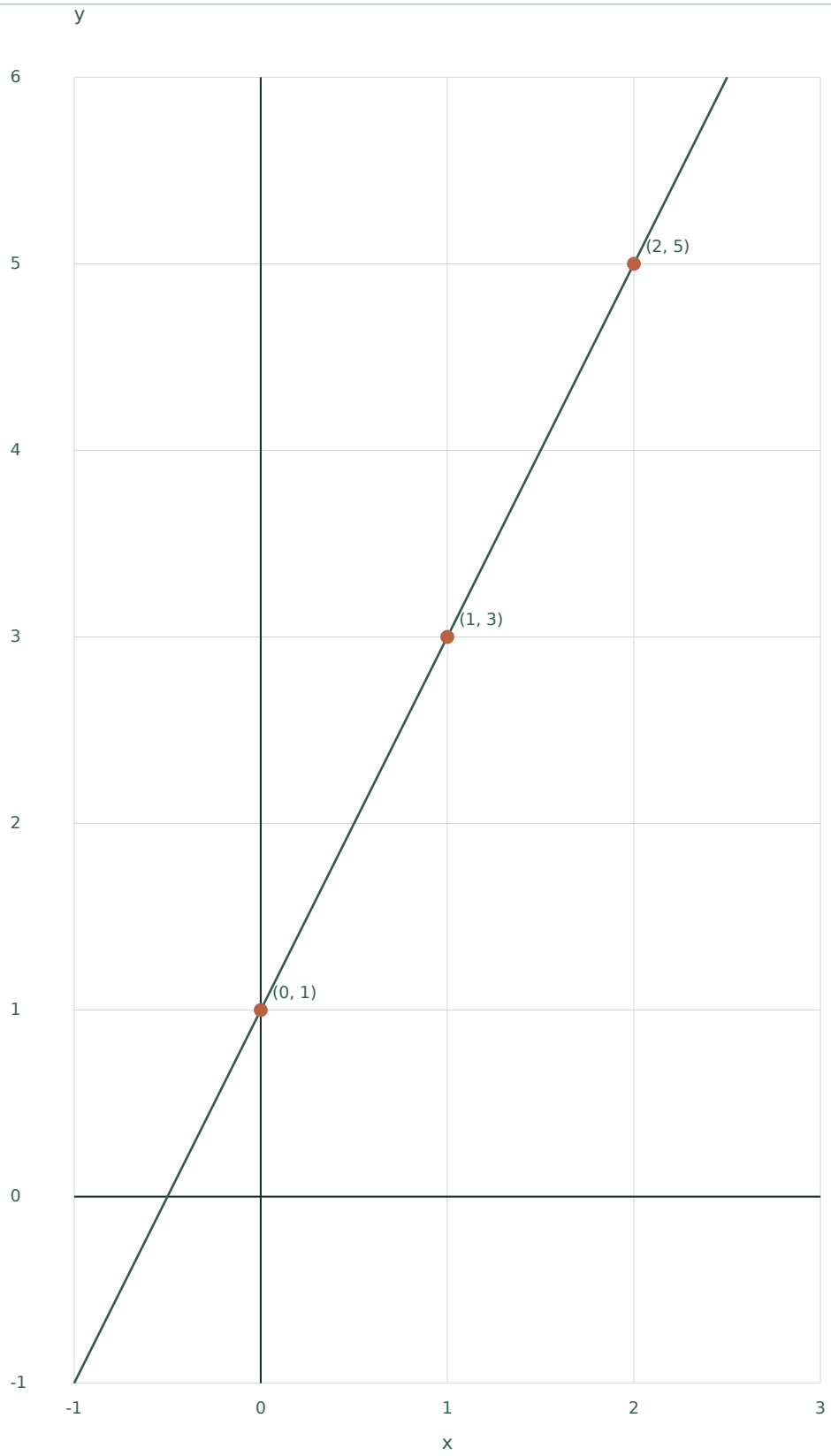
Diagram 2: y = -2x + 4 (section 2 example)



Line goes down 2 for each 1 right; crosses y-axis at (0,4).

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Diagram 3: y = 2x + 1 (section 3 example)



Slope 2, intercept 1; matches all three points.

Link Tables, Graphs, and Equations for Linear Relationships

Table template: x and y columns / 1 of 2

Two-column table template for ordered pairs.

x	y

Link Tables, Graphs, and Equations for Linear Relationships

Table template: x and y columns / 2 of 2

Two-column table template for ordered pairs.

x	y

Link Tables, Graphs, and Equations for Linear Relationships

Equation template: y = mx + b with labels

Template showing y = mx + b with labels for slope m and intercept b.

y = m x + b

m = slope (change in y divided by change in x)

b = y-intercept (y-value when x = 0)

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Rubric

Rubric for the worksheet and answer key.

1. Equation correctly identifies slope and y-intercept from the given representation.
2. Table contains at least three correct ordered pairs consistent with the equation.
3. Graph plots at least three correct points and draws a straight line through them.
4. Axes are labeled and scale is clear; handwriting style may vary.
5. Consistency check is shown by testing a point across representations.
6. Valid alternative notations (for example, y = 2 + 3x) are accepted if equivalent.