Drawing Cubic Graphs from Value Tables: A Reliable Method

Original task 1 / independent drawing and calculation

Task 1

Plot y = x^3 - 4x for x from -3 to 3. Build a value table, sketch the curve, and label turning points approximately.

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 y = -x^3 + 3x for x from -3 to 3. Build a value table, sketch the curve, and label turning points approximately.

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 y = x^3 - 6x^2 + 9x for x from 0 to 4. Build a value table, sketch the curve, and label turning points approximately.

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 = 2x^3 - 3x^2 - 12x + 5 for x from -2 to 3. Build a value table, sketch the curve, and label turning points approximately.

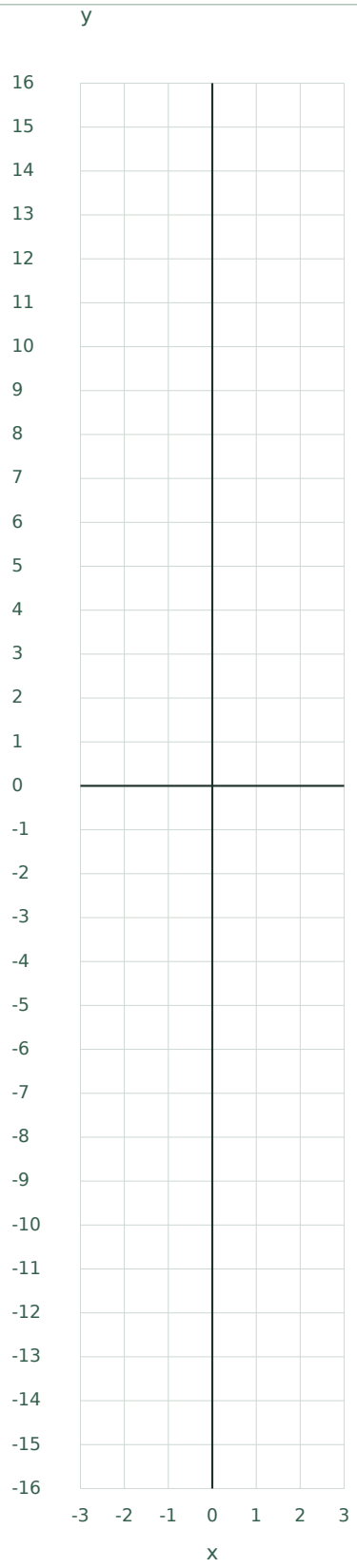
Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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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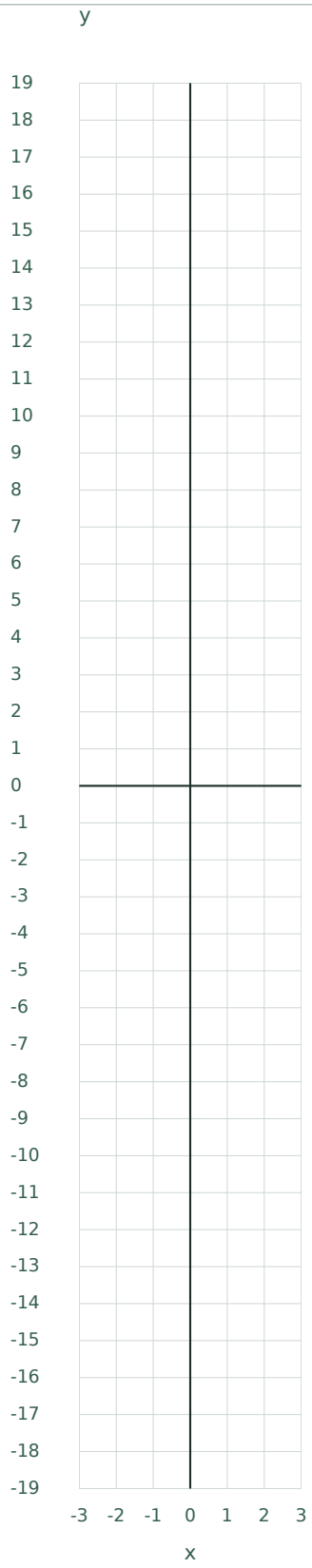
Blank axes for y = x^3 - 4x, x from -3 to 3



Blank student axes; no curve or points supplied.

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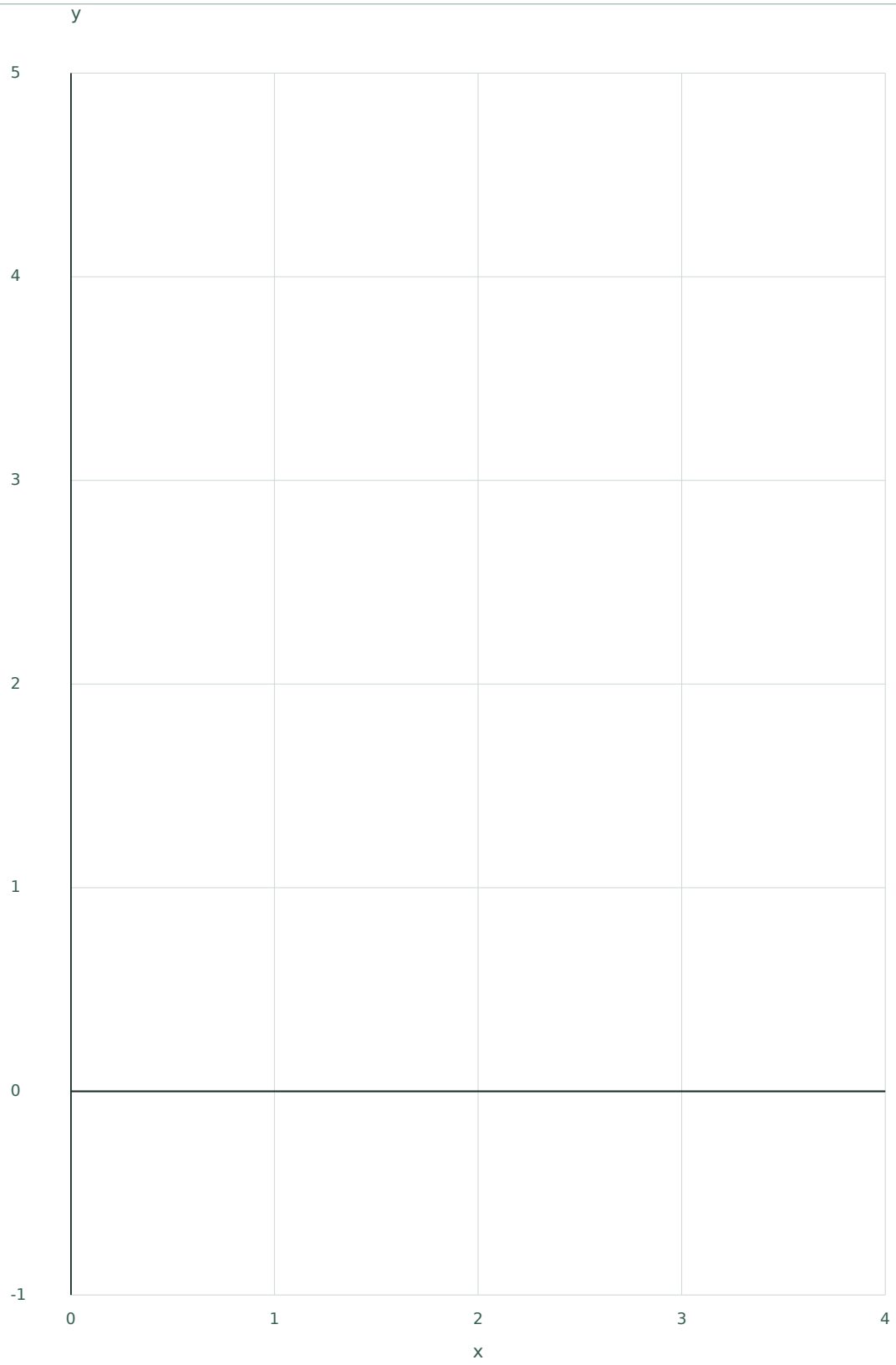
Blank axes for y = -x^3 + 3x, x from -3 to 3



Blank student axes; no curve or points supplied.

Drawing Cubic Graphs from Value Tables: A Reliable Method

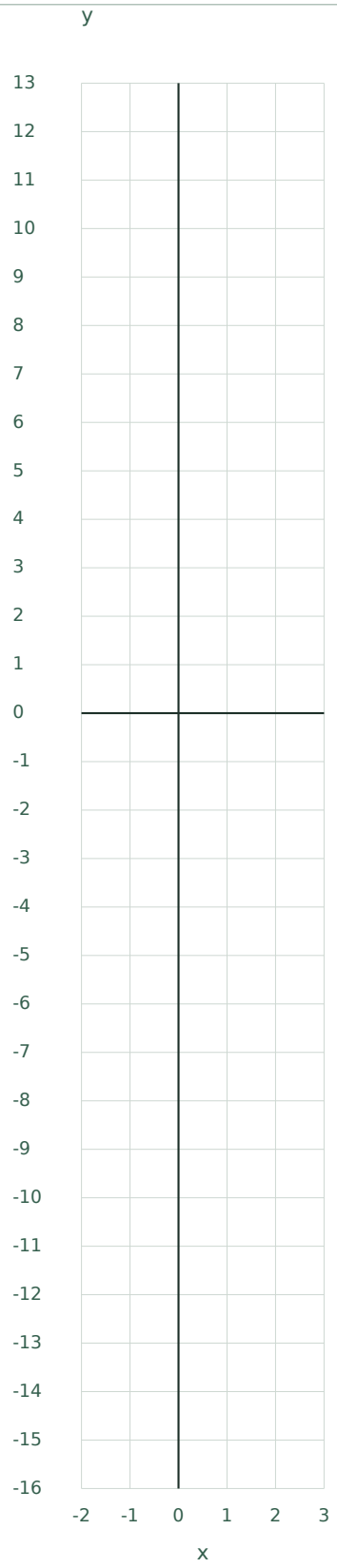
Blank axes for y = x^3 - 6x^2 + 9x, x from 0 to 4



Blank student axes; no curve or points supplied.

Drawing Cubic Graphs from Value Tables: A Reliable Method

Blank axes for y = 2x^3 - 3x^2 - 12x + 5, x from -2 to 3



Blank student axes; no curve or points supplied.