Draw a Parabola's Axis of Symmetry: Vertex, Vertical Line, and Check

Original task 1 / independent drawing and calculation

Task 1

A pre-drawn downward-opening parabola has its highest point at (-1, 4). State the axis of symmetry and describe how to draw it on the grid.

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

A parabola has vertex (0, 1). A horizontal line crosses it at x = -4 and x = 4. Find the axis of symmetry and verify it with arithmetic.

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

A parabola has vertex (2.5, -1). A horizontal line crosses it at x = 1 and x = 4. Find the axis and explain whether the check supports it.

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

A parabola has vertex (-3, 0). A horizontal line crosses it at x = -7 and x = 1. Find the axis and state one mistake to avoid when labeling it.

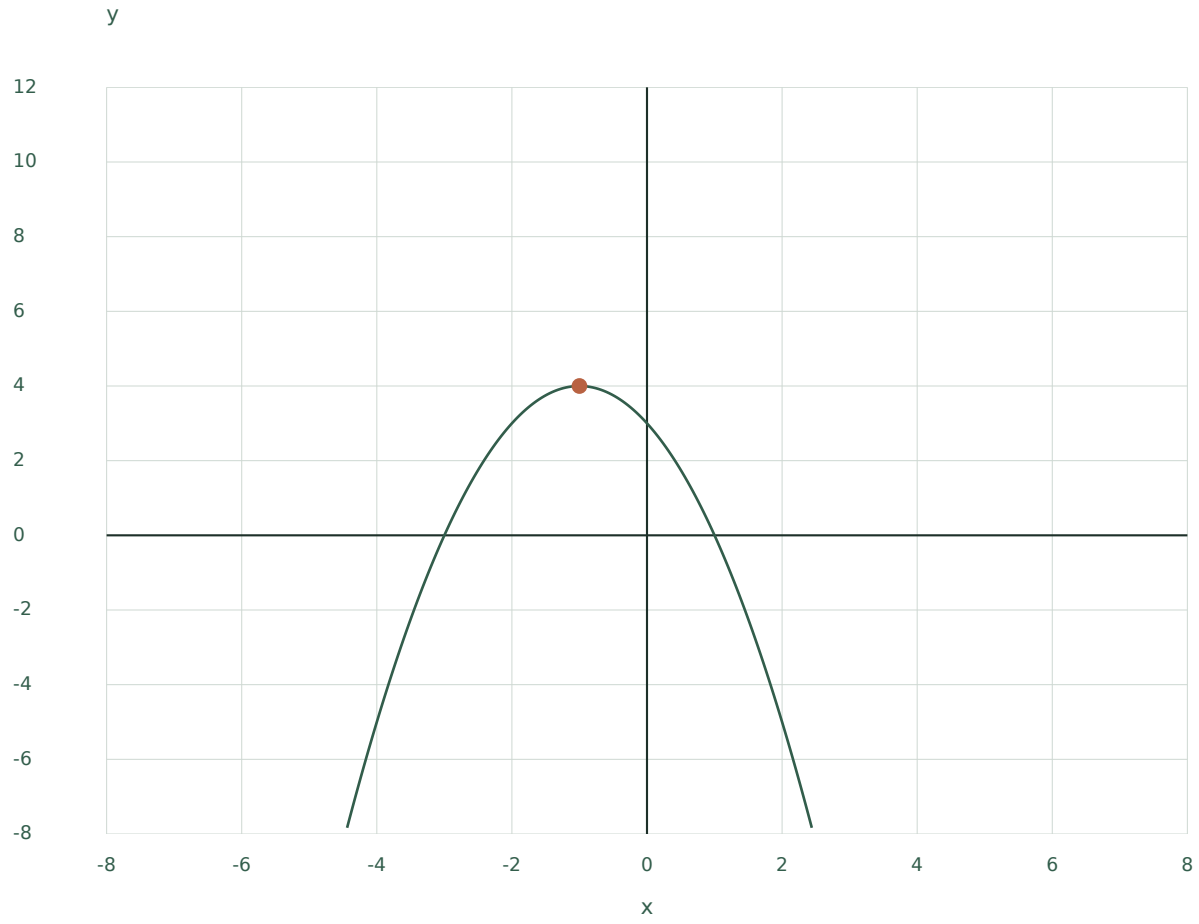
Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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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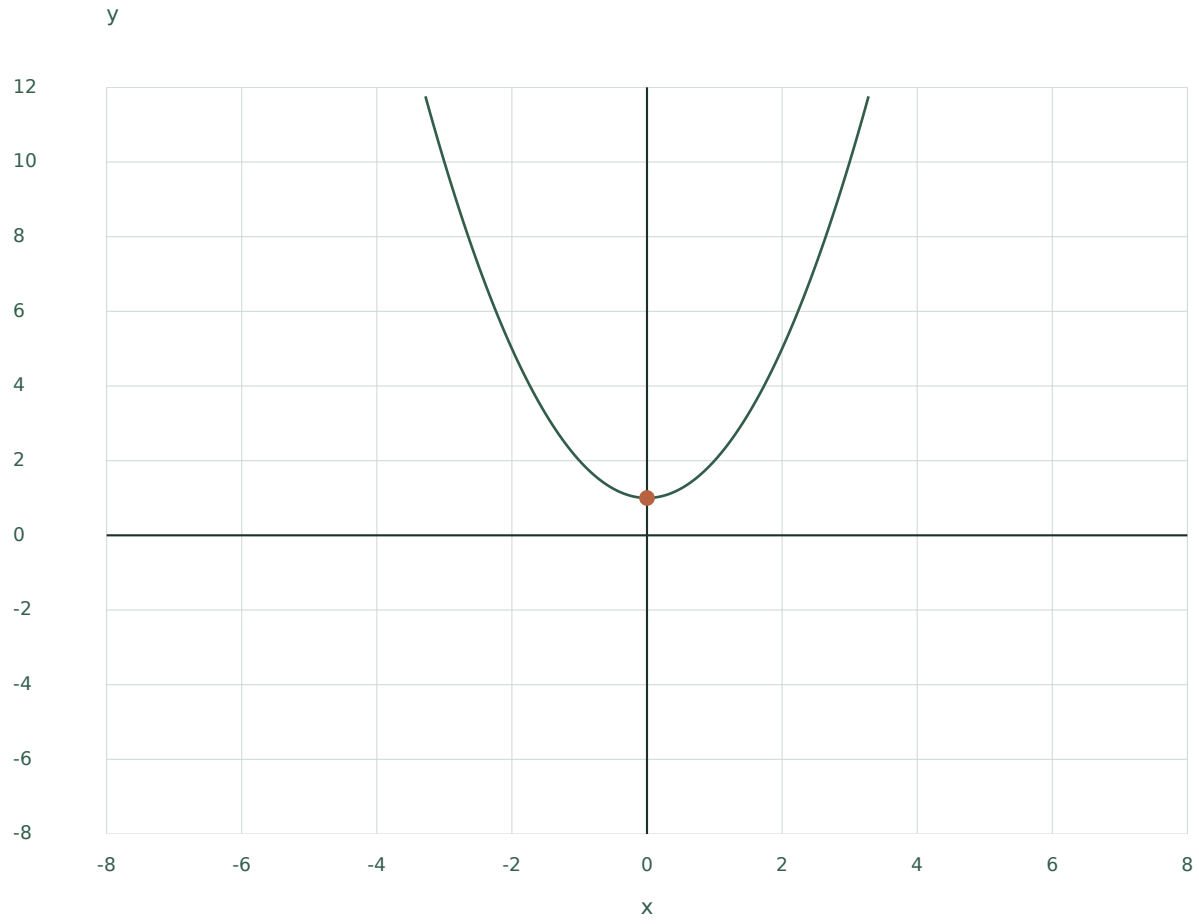
Task 1 / given or blank workspace



Given parabola consistent with the prompt. Curvature is a chosen example; draw and label the requested symmetry axis yourself.

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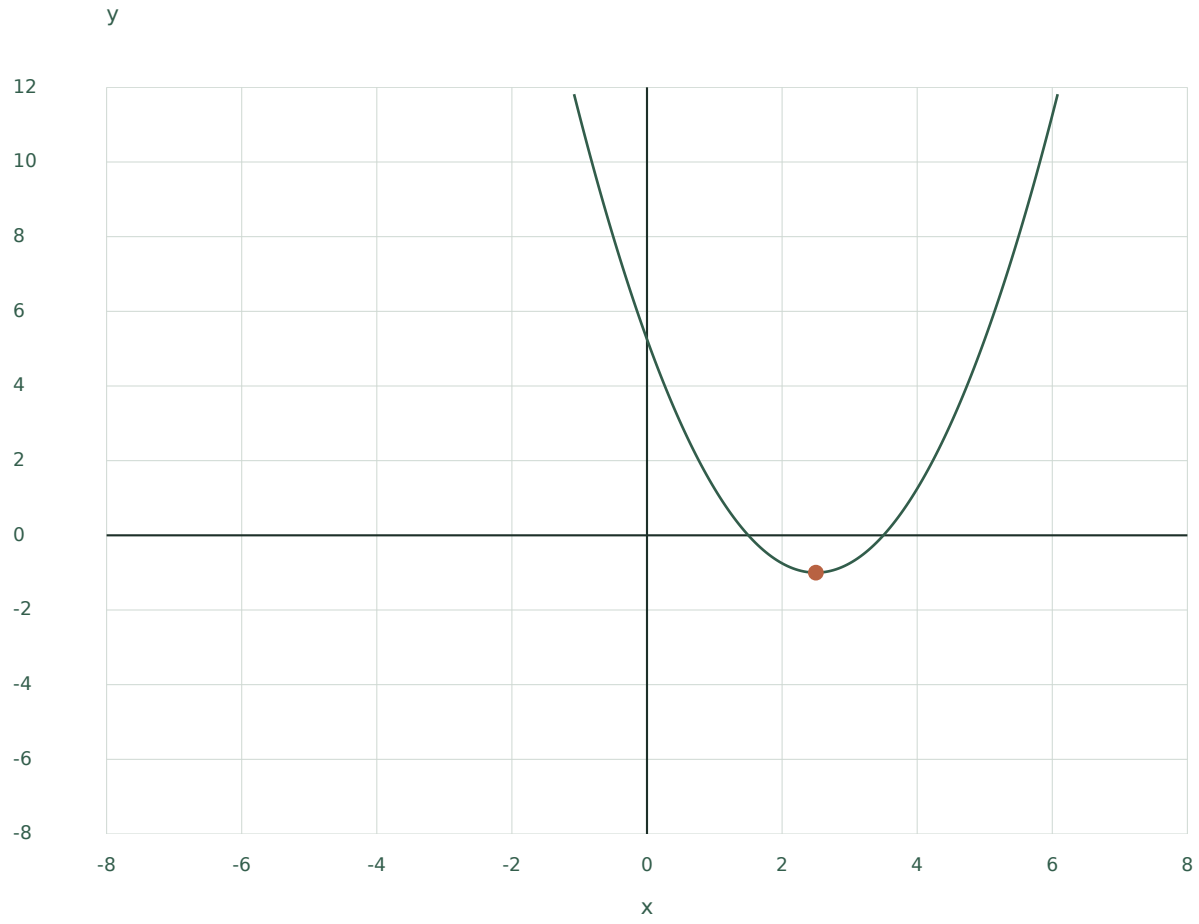
Task 2 / given or blank workspace



Given parabola consistent with the prompt. Curvature is a chosen example; draw and label the requested symmetry axis yourself.

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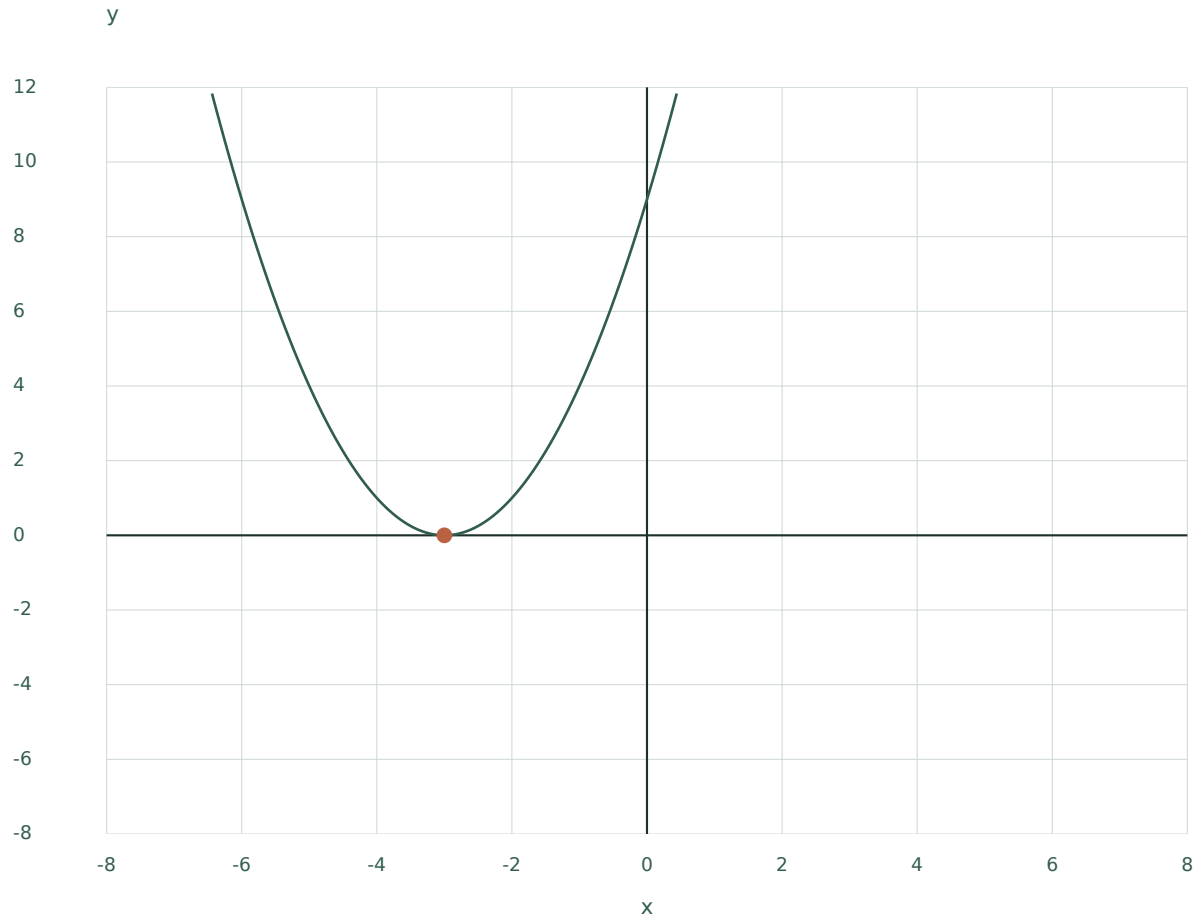
Task 3 / given or blank workspace



Given parabola consistent with the prompt. Curvature is a chosen example; draw and label the requested symmetry axis yourself.

Draw a Parabola's Axis of Symmetry: Vertex, Vertical Line, and Check

Task 4 / given or blank workspace



Given parabola consistent with the prompt. Curvature is a chosen example; draw and label the requested symmetry axis yourself.