Graphing Inequalities Matching Activity: Pair Statements to Shaded Half-Planes

Original task 1 / independent drawing and calculation

Task 1

An inequality card reads y > 3x - 2. A graph shows a dashed line with slope 3 and y-intercept -2, and the region above the line is shaded. Does the graph match? Use the test point (0,0).

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

An inequality card reads $x \leq 4$. A graph shows a solid vertical line at $x = 4$ with the region to the left shaded. Does the graph match? Use the test point (0,0).

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

An inequality card reads y < -x + 1. A graph shows a solid line with slope -1 and y-intercept 1, and the region below the line is shaded. Does the graph match? Use the test point (0,0).

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

An inequality card reads y ≥ 2x + 1. A graph shows a dashed line with slope 2 and y-intercept 1, and the region above the line is shaded. Does the graph match? Use the test point (0,0).

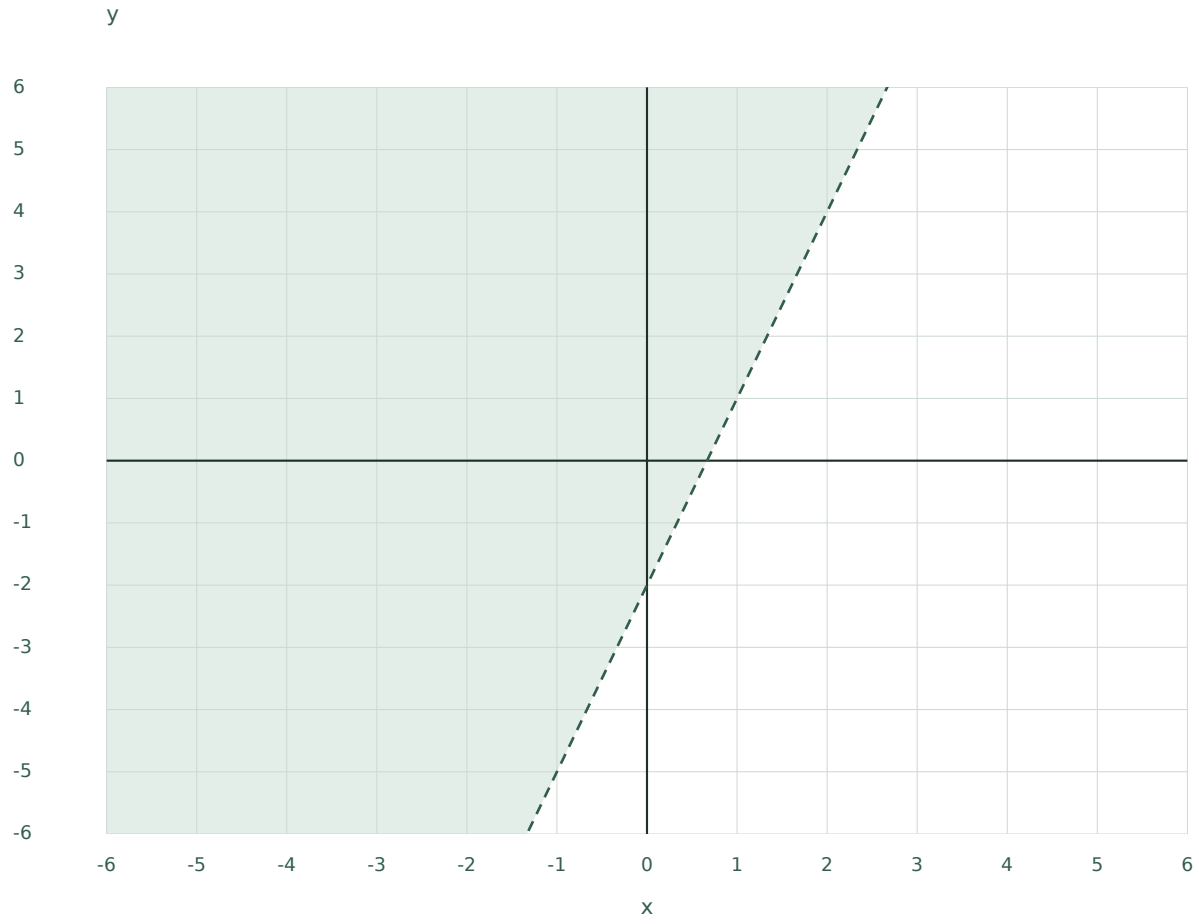
Keep the original task measurements. Use the full drawing sheet in this PDF for a response needing more room; use the stated paper size when a task specifies larger paper.

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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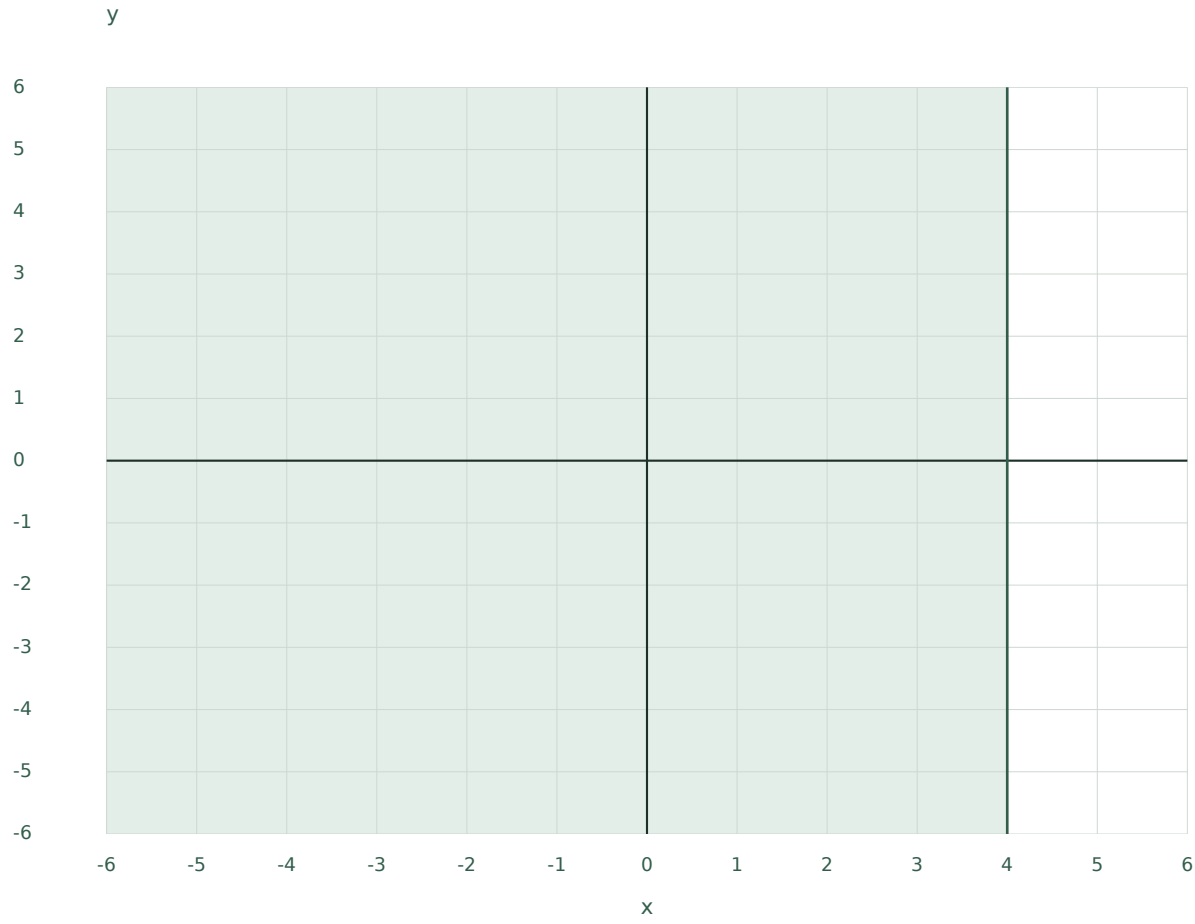
Task 1 / given or blank workspace



Given graph as described in the prompt. Decide whether its boundary style and shading match the separate inequality card.

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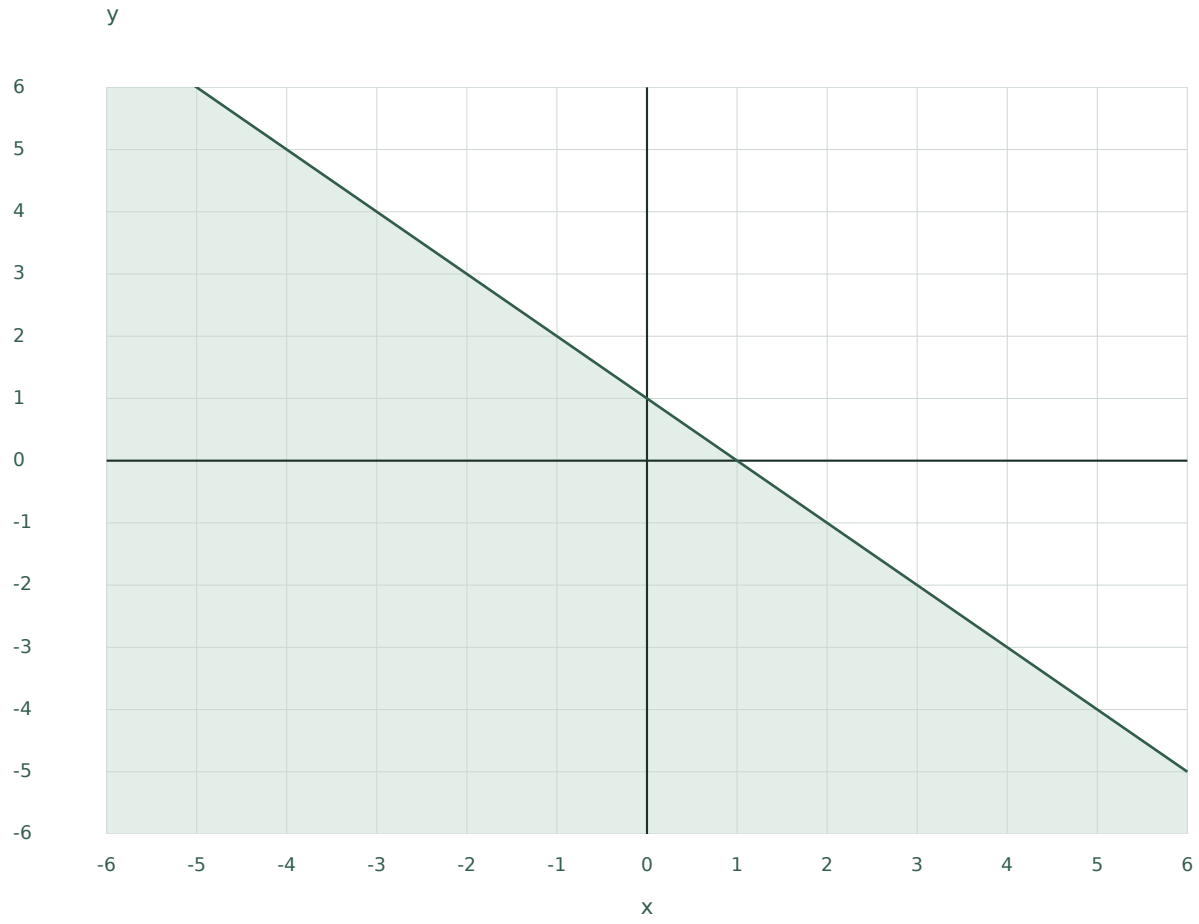
Task 2 / given or blank workspace



Given graph as described in the prompt. Decide whether its boundary style and shading match the separate inequality card.

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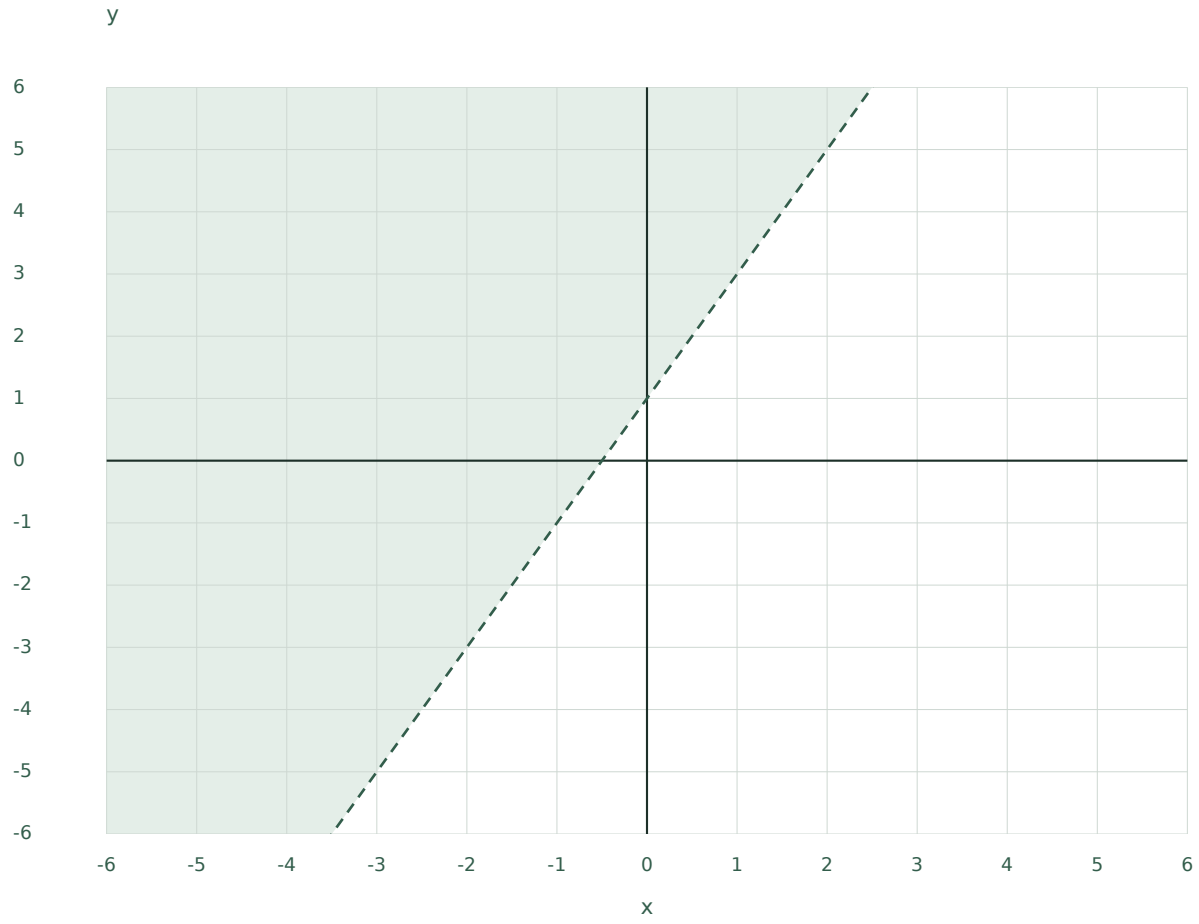
Task 3 / given or blank workspace



Given graph as described in the prompt. Decide whether its boundary style and shading match the separate inequality card.

Graphing Inequalities Matching Activity: Pair Statements to Shaded Half-Planes

Task 4 / given or blank workspace



Given graph as described in the prompt. Decide whether its boundary style and shading match the separate inequality card.