Distance and Midpoint Formulas: Plot, Compute, Check

Original task 1 / independent drawing and calculation

Task 1

Plot A(1, 2) and B(4, 6) on a grid with one unit per square. Find the distance AB and the midpoint M. Show a check.

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.

Distance and Midpoint Formulas: Plot, Compute, Check

Original task 2 / independent drawing and calculation

Task 2

Plot C(-2, 3) and D(2, 6). Find the distance CD and the midpoint M. State units.

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.



Distance and Midpoint Formulas: Plot, Compute, Check

Original task 3 / independent drawing and calculation

Task 3

Plot E(0, 0) and F(5, 12). Find the distance EF and the midpoint M. Show the squared-sum check.

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.



Distance and Midpoint Formulas: Plot, Compute, Check

Original task 4 / independent drawing and calculation

Task 4

Plot G(3, 1) and H(3, 7). Find the distance GH and the midpoint M. Explain why the horizontal difference is zero.

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.

Distance and Midpoint Formulas: Plot, Compute, Check

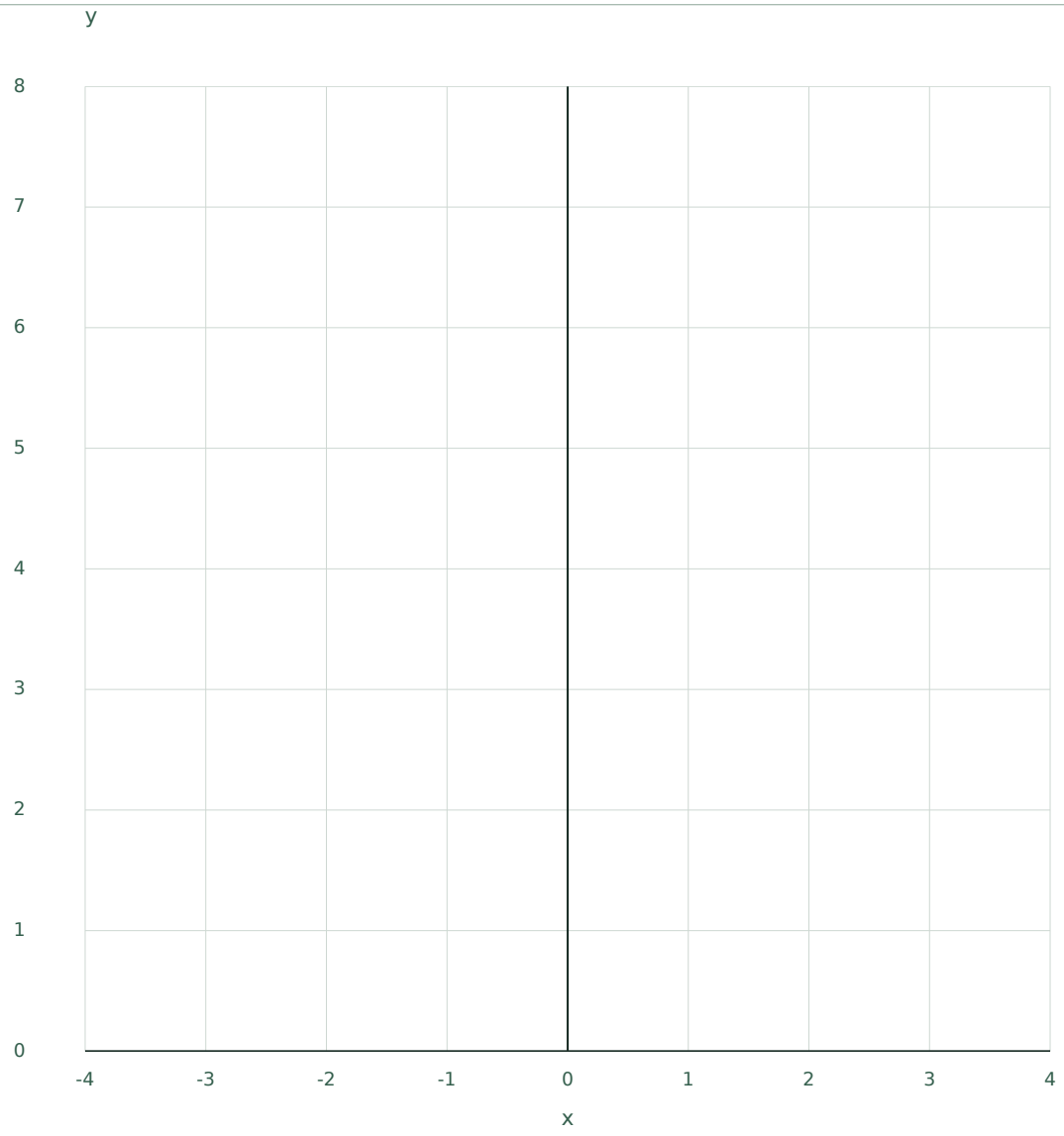
Task 1 blank grid for plotting A(1,2) and B(4,6)



Blank student grid, one unit per square.

Distance and Midpoint Formulas: Plot, Compute, Check

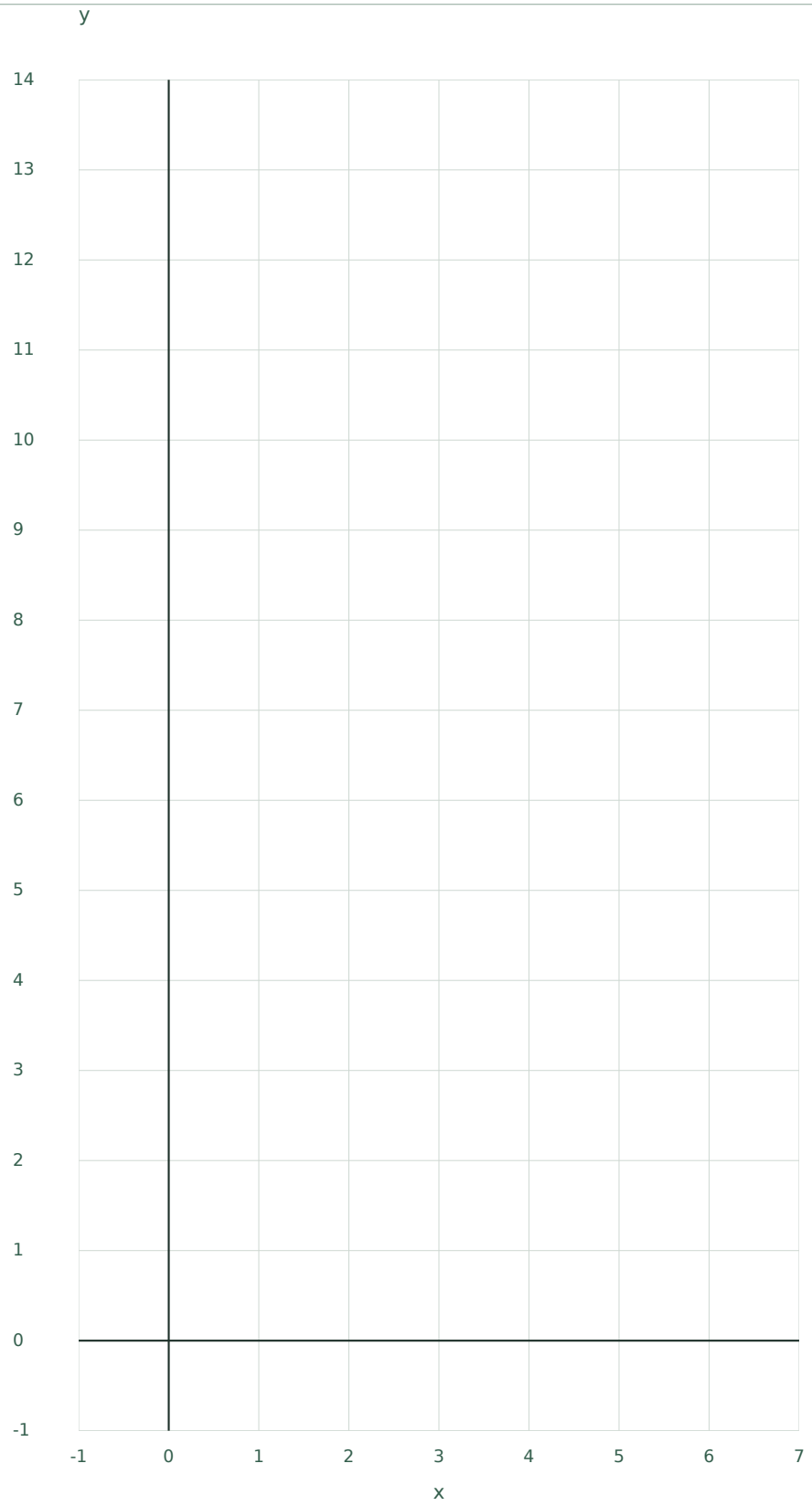
Task 2 blank grid for plotting C(-2,3) and D(2,6)



Blank student grid, one unit per square.

Distance and Midpoint Formulas: Plot, Compute, Check

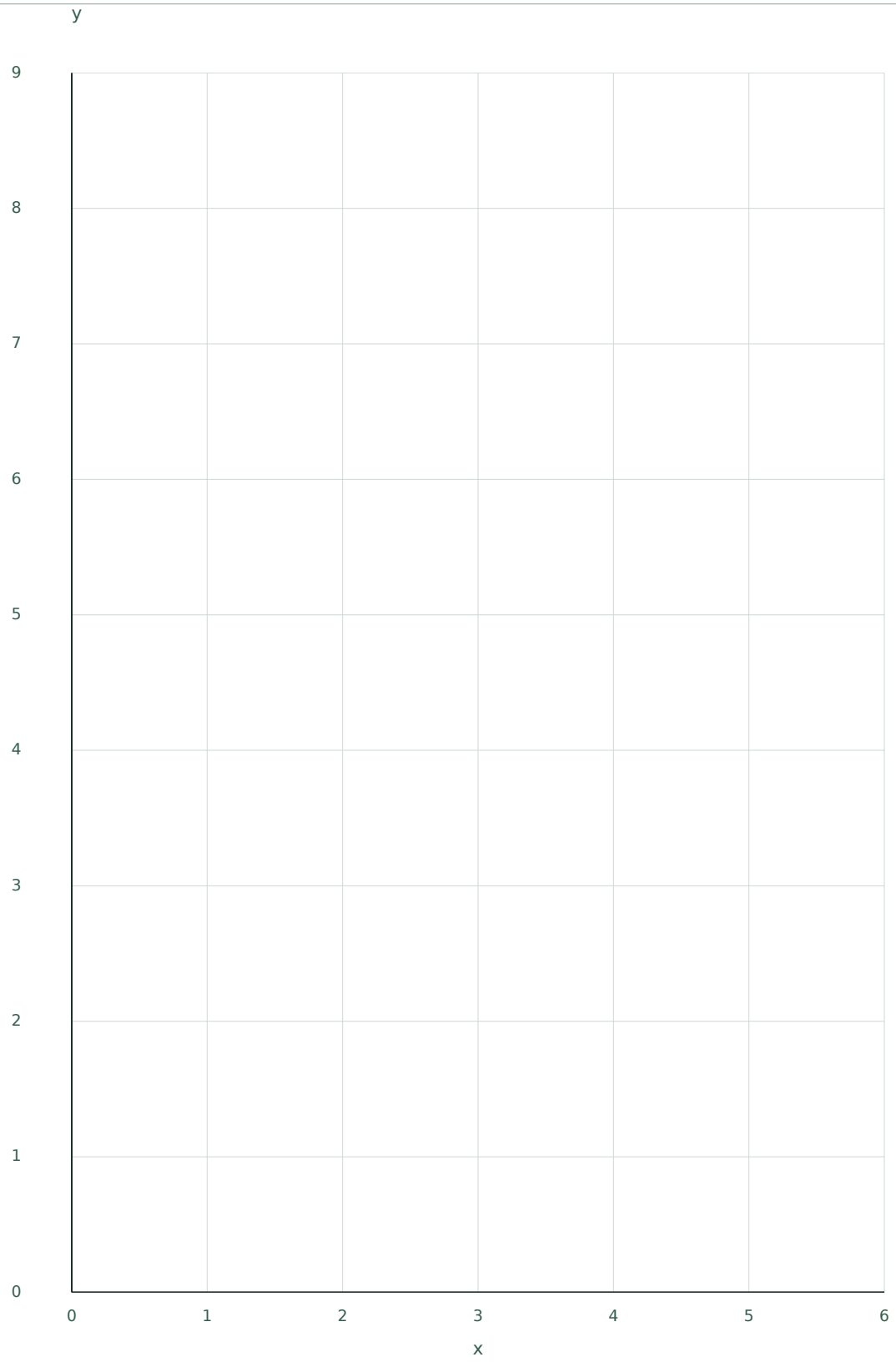
Task 3 blank grid for plotting E(0,0) and F(5,12)



Blank student grid, one unit per square.

Distance and Midpoint Formulas: Plot, Compute, Check

Task 4 blank grid for plotting G(3,1) and H(3,7)



Blank student grid, one unit per square.