Orthographic Multiview Drawing

Student | Task 1 of 4 | LETTER

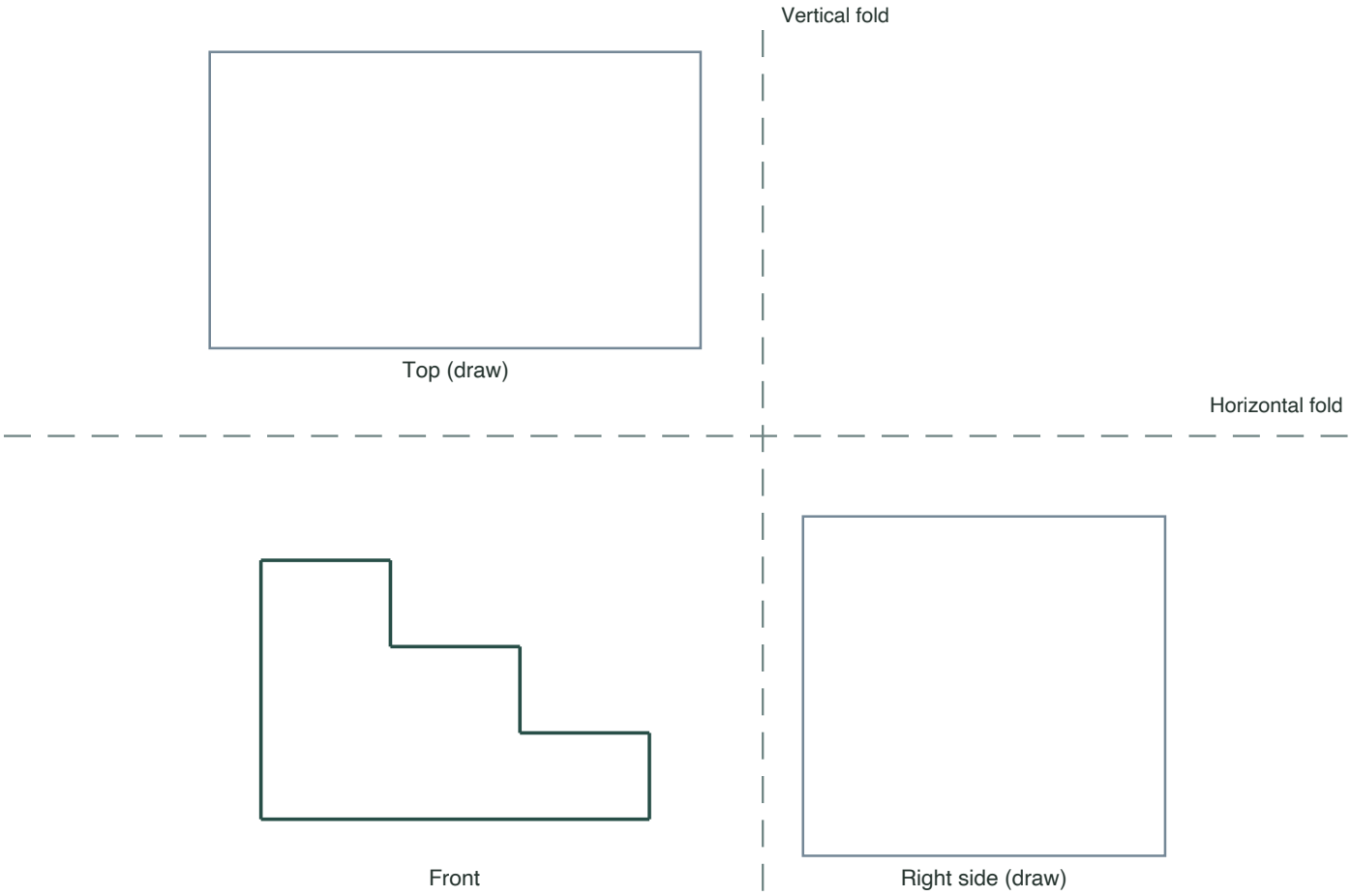
Original prompt

Task 1: Given a front view of a stepped block (two steps), construct the top and side views by the fold-line method.

Given solid

Chosen block: 9 wide and uniformly 5 deep. From left to right, its three equally wide bands are 6, 4 and 2 units high.

On this sheet, top is above front and the right view sits to its right.



Notes on your projection check

Orthographic Multiview Drawing

Student | Task 2 of 4 | LETTER

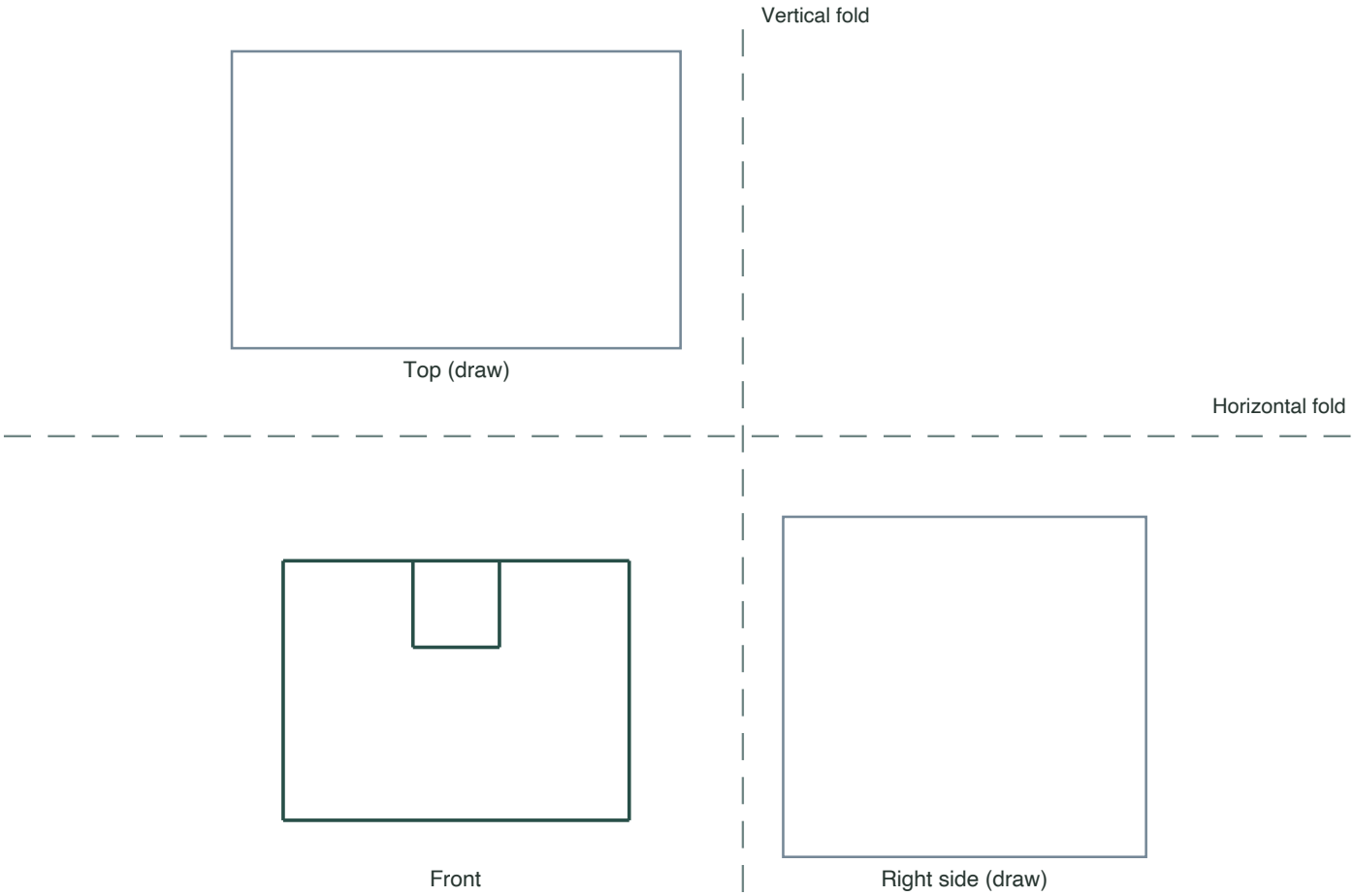
Original prompt

Task 2: Given a front view of a block with a rectangular notch cut from its top edge, construct top and side views.

Given solid

Start with a block 8 wide, 5 deep and 6 high. Cut a top-front notch from x = 3 to 5, with a depth of 2 and a floor 4 units above the base. The right wall remains intact.

On this sheet, top is above front and the right view sits to its right.



Notes on your projection check

Orthographic Multiview Drawing

Student | Task 3 of 4 | LETTER

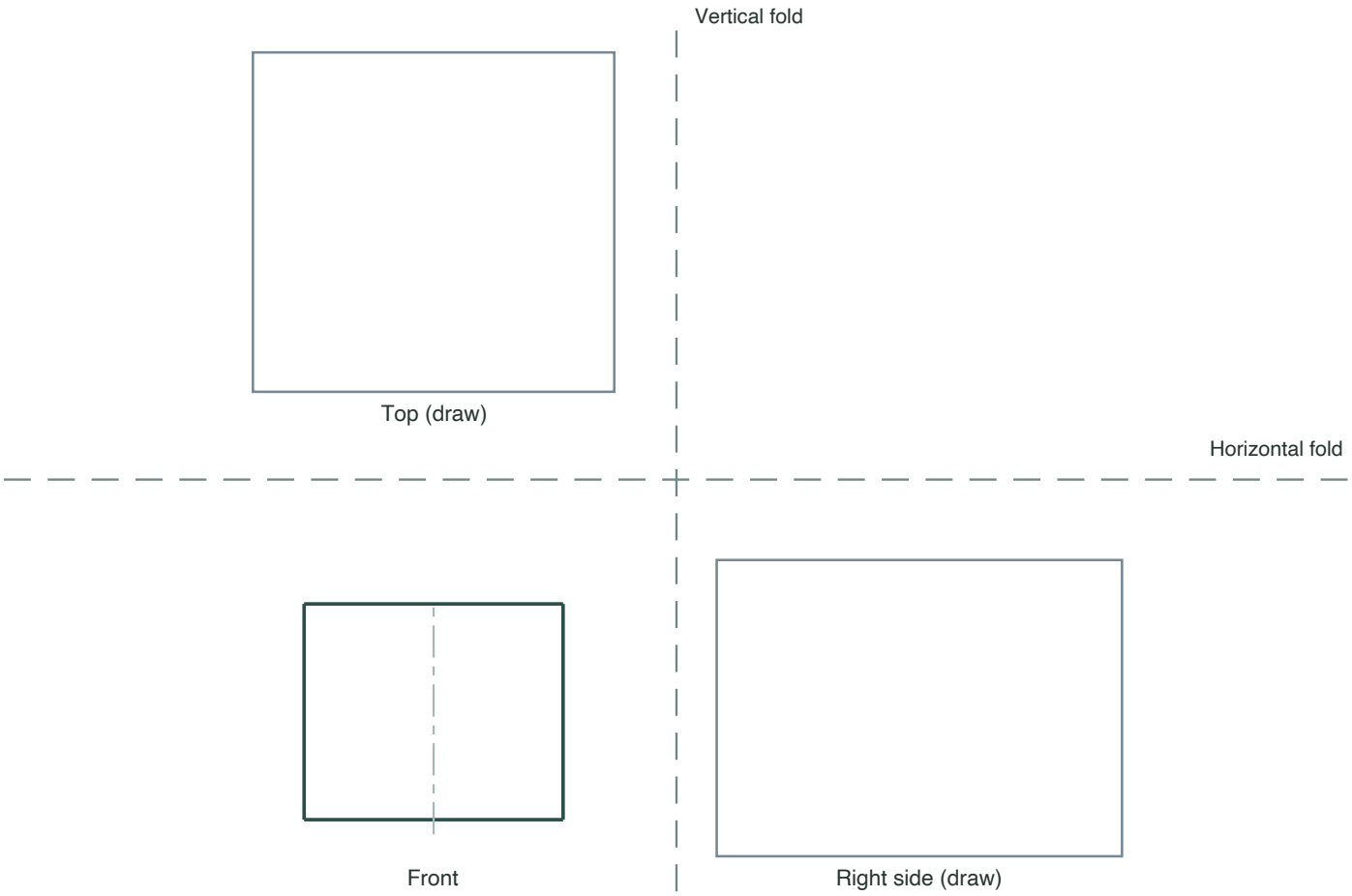
Original prompt

Task 3: Given the front elevation of an upright cylinder with diameter 6 units and height 5 units, construct the top and right-side views using the fold-line method.

Given solid

The cylinder is upright, with a diameter of 6 and a height of 5. Align its top and right views to its given front view.

On this sheet, top is above front and the right view sits to its right.



Notes on your projection check

Orthographic Multiview Drawing

Student | Task 4 of 4 | LETTER

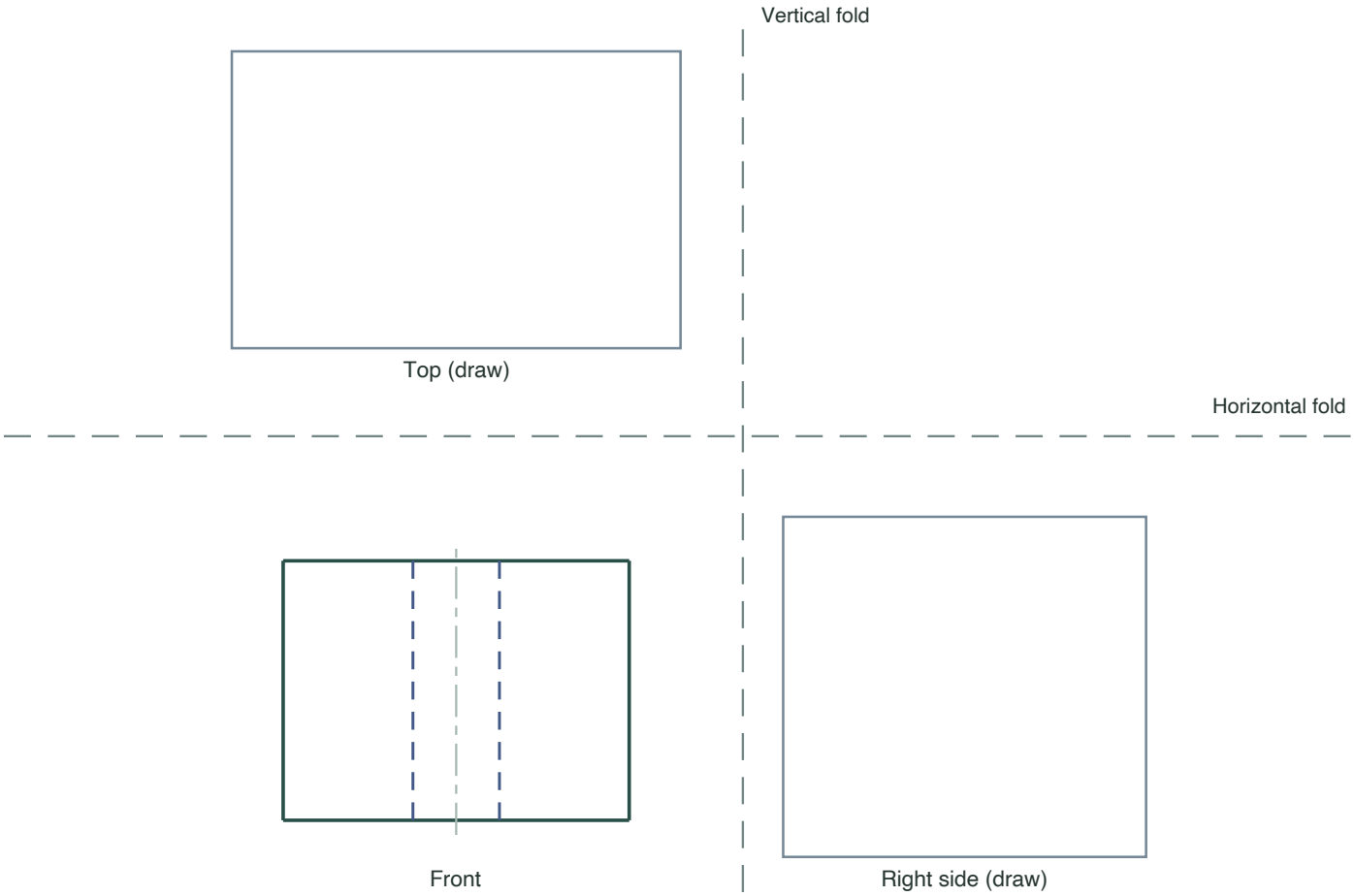
Original prompt

Task 4: Given a front view of a block with a hole through it, construct top and side views.

Given solid

The block is 8 wide, 5 deep and 6 high. The vertical through-bore has radius 1, centered 4 units from the left and 2.5 back from the front.

On this sheet, top is above front and the right view sits to its right.



Notes on your projection check