Axonometric Chair Drawing: Three-Axis Block-In and Seat Plane

Ordinary topic reference / separately checked pixels



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Original worked example / unchanged complete key

Prompt: Using a vertical H axis, a W axis 30 degrees above horizontal to the right, and a D axis 30 degrees above horizontal to the left, construct a chair with a 6-by-5 seat, 4-unit legs, and a 5-unit back. All units are hypothetical.

Answer: Draw the origin and three axes. Mark 6 units along W and 5 units along D; close the seat parallelogram with parallels. From each corner, draw 4-unit verticals downward and connect the bottoms with seat-parallel lines to check. From the two rear corners, draw 5-unit verticals upward and connect the tops parallel to the rear seat edge; close the back panel. Every edge is parallel to H, W, or D.