Draw a House Orthographic Projection

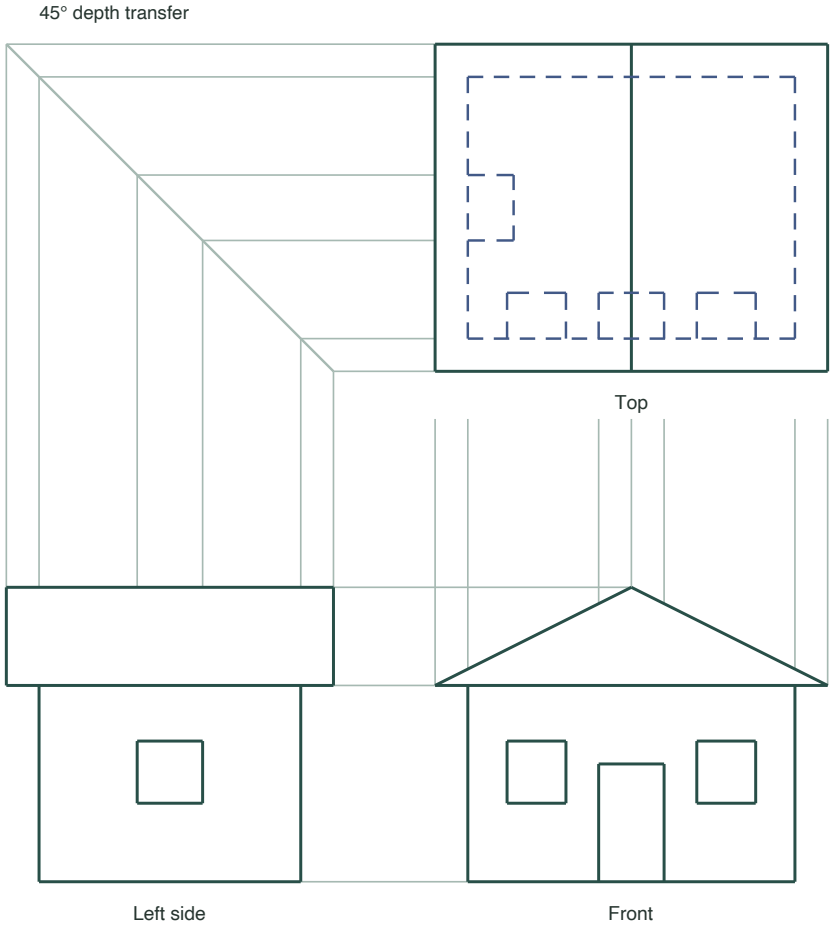
Reference I Worked example I A4

Original prompt

Draw the complete aligned plate for the chosen house: front view, side view and top view, with projection axes linking them.

Given

Use the chosen house on the reference sheet for all four tasks. Its front is the gable end, with a centered door and two level windows. The left wall has one window. The roof extends past the walls.



Light: projection guides. Dashed blue: covered wall and opening positions.

Answer

Front: a wall rectangle, centred door, two level windows and a triangular gable, with roof edges extending just beyond the wall. Side: a rectangular wall with one side window and a rectangular roof band above it, bounded by the lower eave and higher ridge. Top: a rectangular roof footprint split by the centre ridge, with the hidden wall footprint and door/window positions shown only as dashed guides. The views share width, height and depth on their projection axes.

Reasoning

The front view faces the gable end, so it shows the roof triangle. From the left side, the front-to-back ridge and eave stay at constant heights and form a rectangular roof band. From above, the roof overhang hides the wall and openings, so those positions are dashed guides beneath the roof plan.

Check

Check that the top view has a rectangular roof footprint and centre ridge, with only dashed wall/opening guides. The side roof band must have a lower eave at wall-top height and a higher ridge that aligns with the front gable peak.