

The diagram shows three orthographic views of a mechanical part on a grid, with a coordinate system  $X_1$  (vertical) and  $Y_1$  (horizontal) indicated in red.

- Front View (top left):** Shows the front elevation. The base is divided into three segments of 25 units each. The leftmost segment is 25 units wide and 12 units high. The middle segment is 25 units wide and 12 units high. The rightmost segment is 25 units wide and 12 units high. A sloped line connects the top-left corner of the middle segment to the top-right corner of the rightmost segment. The total width is 75 units. The total height is 25 units (12 + 13). A dimension of 20 units is shown for the top-right corner of the rightmost segment.
- Top View (bottom left):** Shows the top plan. The overall width is 75 units (3 x 25). The overall depth is 50 units. The front edge is stepped: the leftmost 25 units are 50 units deep, the middle 25 units are 25 units deep, and the rightmost 25 units are 12 units deep. The back edge is a straight line 75 units wide. A dimension of 20 units is shown for the top-right corner of the rightmost segment.
- Left side view (top right):** Shows the left elevation. It is a rectangle with a width of 25 units and a height of 25 units. A dashed line indicates the hidden edge of the part.

