THE FIREPLACE

Joe bought the fireplace in Figure 1. He wants to place it in one of the corners of his rectangular living room as shown in Figure 2.





Figure 1

Figure 2

A marble slab needs to be ordered to cover the top part of the empty space between the fireplace and the wall.

- a) What symmetrical shape should the marble slab be?
- b) Determine the dimensions of this shape.

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