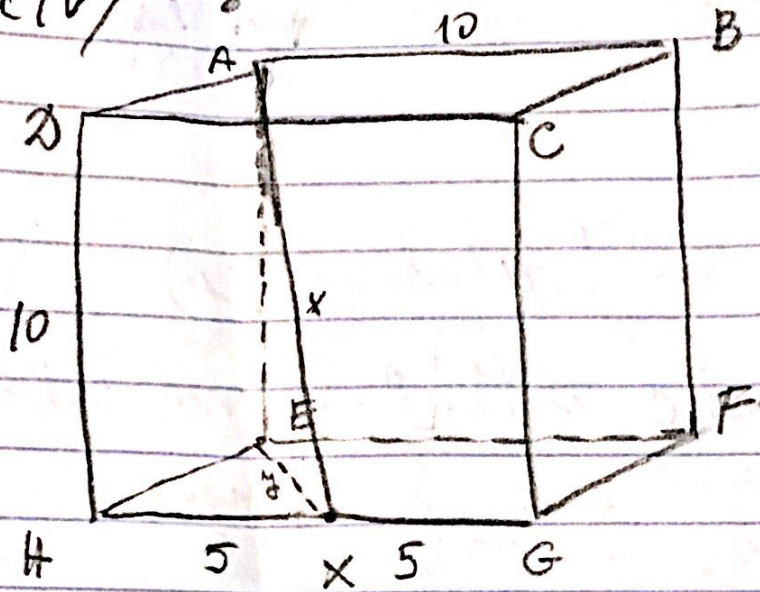
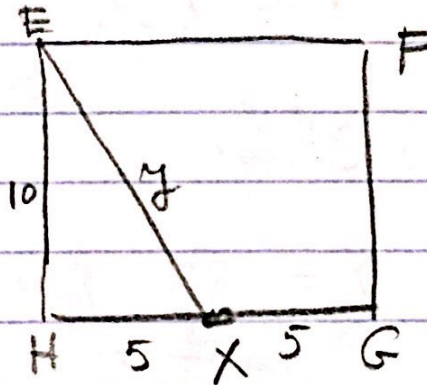


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1) $\triangle AEHX$
in
base HGFE



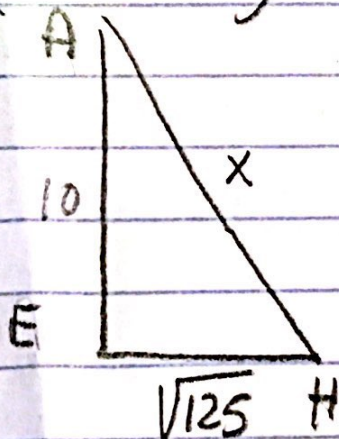
$$y^2 = 10^2 + 5^2$$

$$y^2 = 125$$

$$y = \sqrt{125}$$

$$EX = \sqrt{125}$$

2) $\triangle AEH$ (vertical)



$$x^2 = 10^2 + (\sqrt{125})^2$$

$$x^2 = 100 + 125$$

$$x^2 = 225$$

$$x = \sqrt{225}$$

$$x = 15$$

$$AX = 15$$