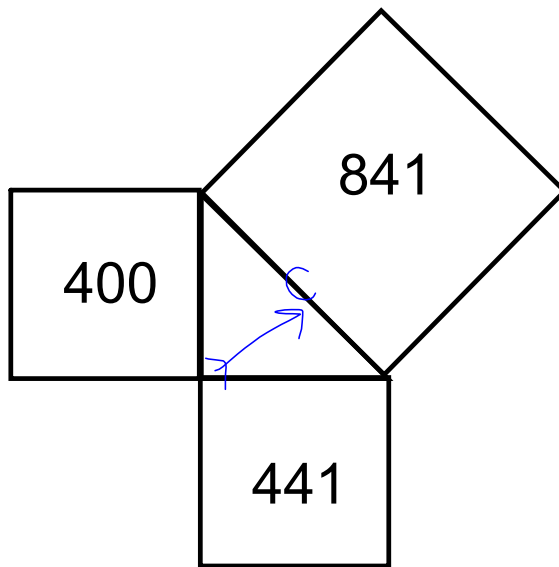


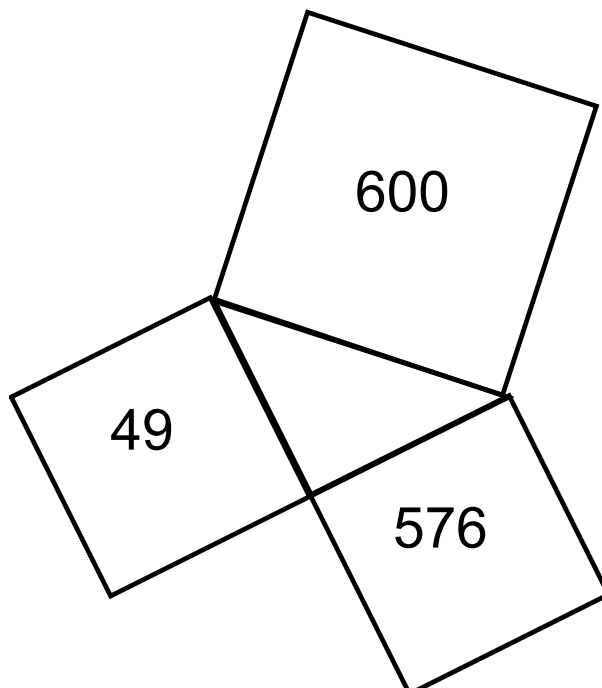
Is this a right triangle?



Yes!

$$400 + 441 = 841$$

Is this a right triangle?

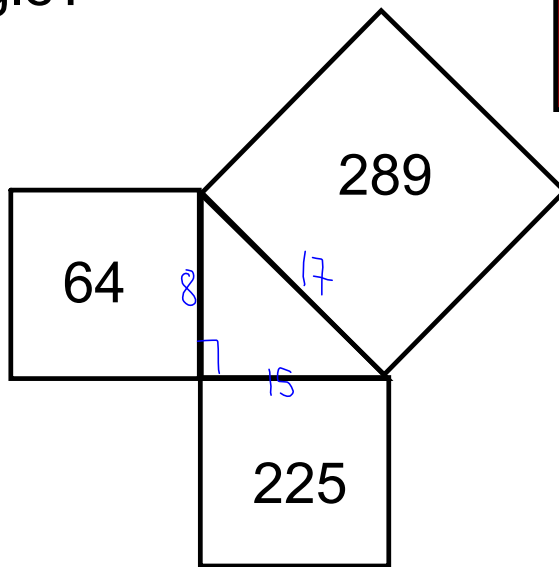


No!

$$49 + 576 \neq 600$$

$$625 \neq 600$$

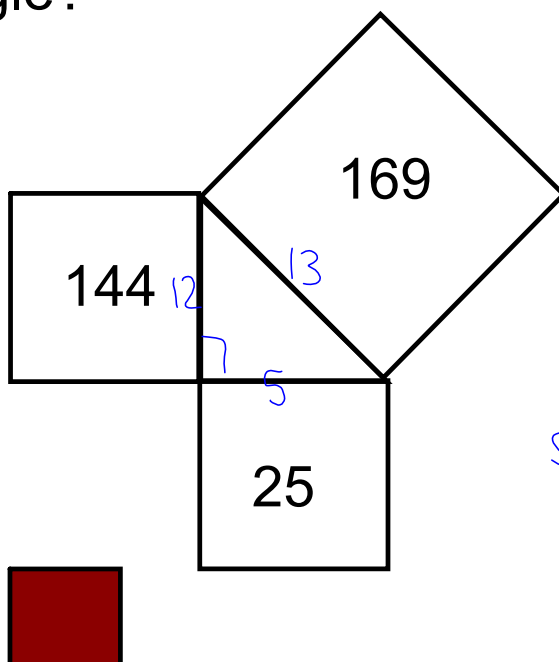
What is the missing length of the right triangle?



$$64 + 225 = 289$$

$$\begin{aligned} \text{Side length} &= \sqrt{\text{Area}} \\ &= \sqrt{289} \\ &= 17 \end{aligned}$$

What is the missing length of the right triangle?



$$\begin{array}{r} 169 \\ - 144 \\ \hline 25 \end{array}$$

$$\begin{aligned} \text{Side length} &= \sqrt{\text{Area}} \\ &= \sqrt{25} \\ &= 5 \end{aligned}$$

