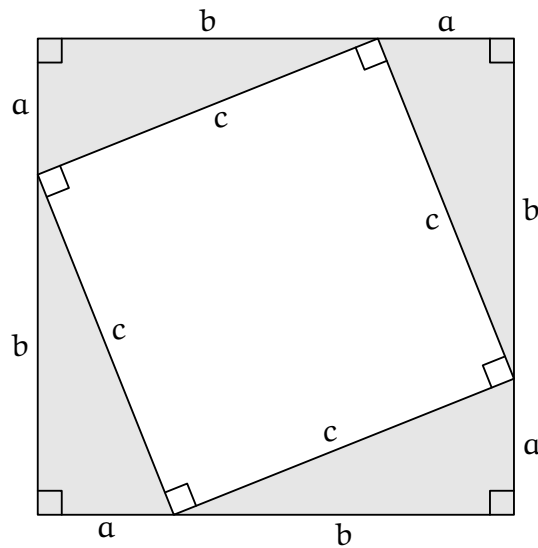


## Proof of Pythagoras theorem



$$(a + b)^2 = 4 \left( \frac{ab}{2} \right) + c^2$$

$$a^2 + 2ab + b^2 = 2ab + c^2$$

$$\boxed{a^2 + b^2 = c^2}$$