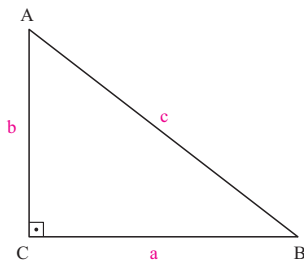


I think, this will be the most simple proof given to the Pythagoras Theorem.

Pythagoras Theorem



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

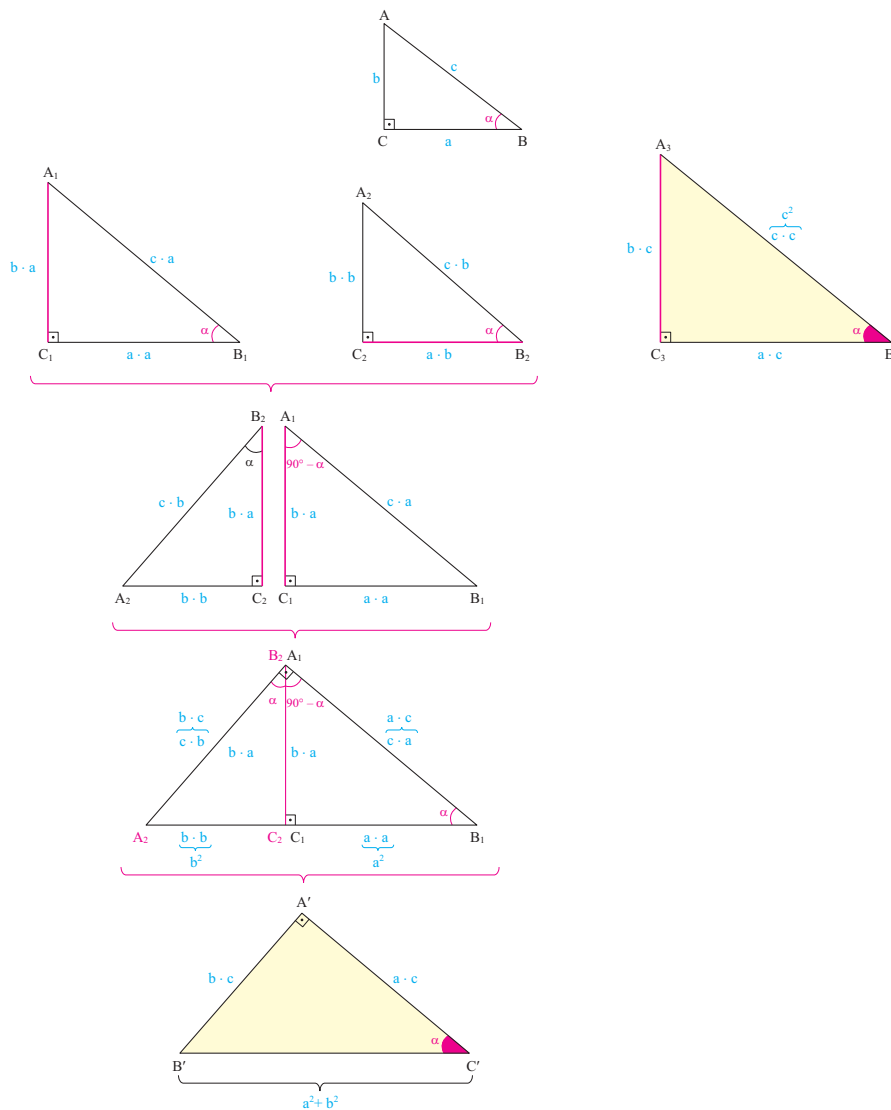
PROOF (Ceran)

Let $m(\widehat{ABC}) = \alpha$.

$A_1B_1C_1$ is the triangle which sides are a times the triangle ABC. Of course, $m(\widehat{A_1B_1C_1}) = \alpha$ exist.

$A_2B_2C_2$ is the triangle which sides are b times the triangle ABC. Of course, $m(\widehat{A_2B_2C_2}) = \alpha$ exist.

$A_3B_3C_3$ is the triangle which sides are c times the triangle ABC. Again, $m(\widehat{A_3B_3C_3}) = \alpha$ exist.



$$A'B'C' \cong C_3A_3B_3 \Rightarrow |B'C'| = |A_3B_3| \Rightarrow a^2 + b^2 = c^2$$

