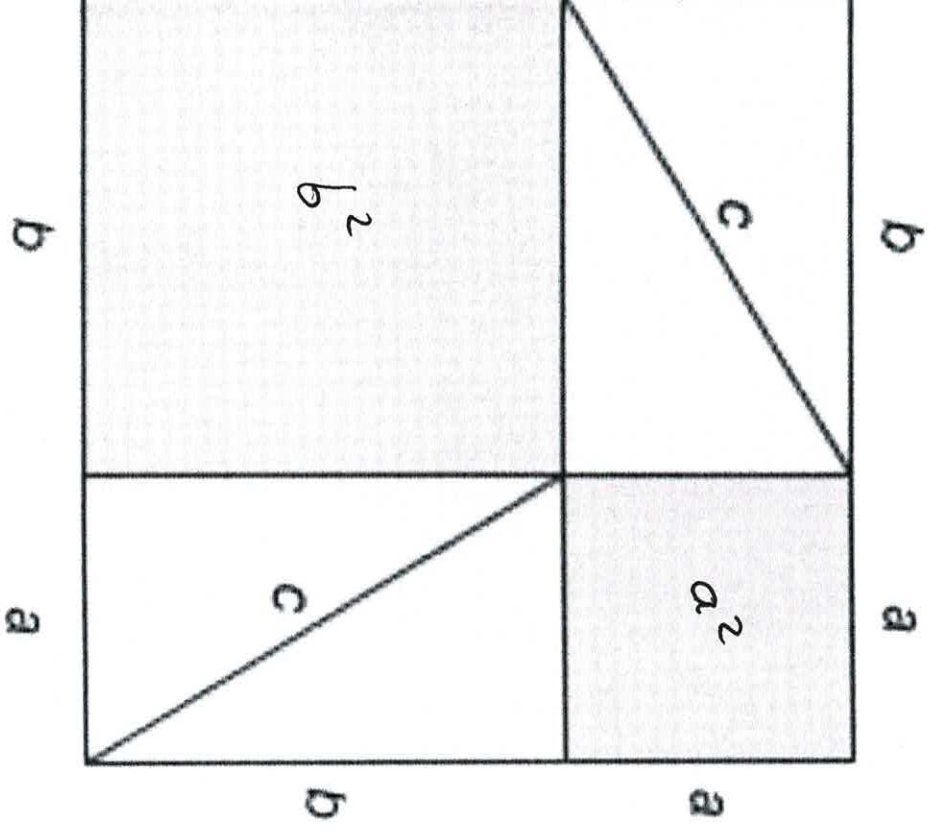
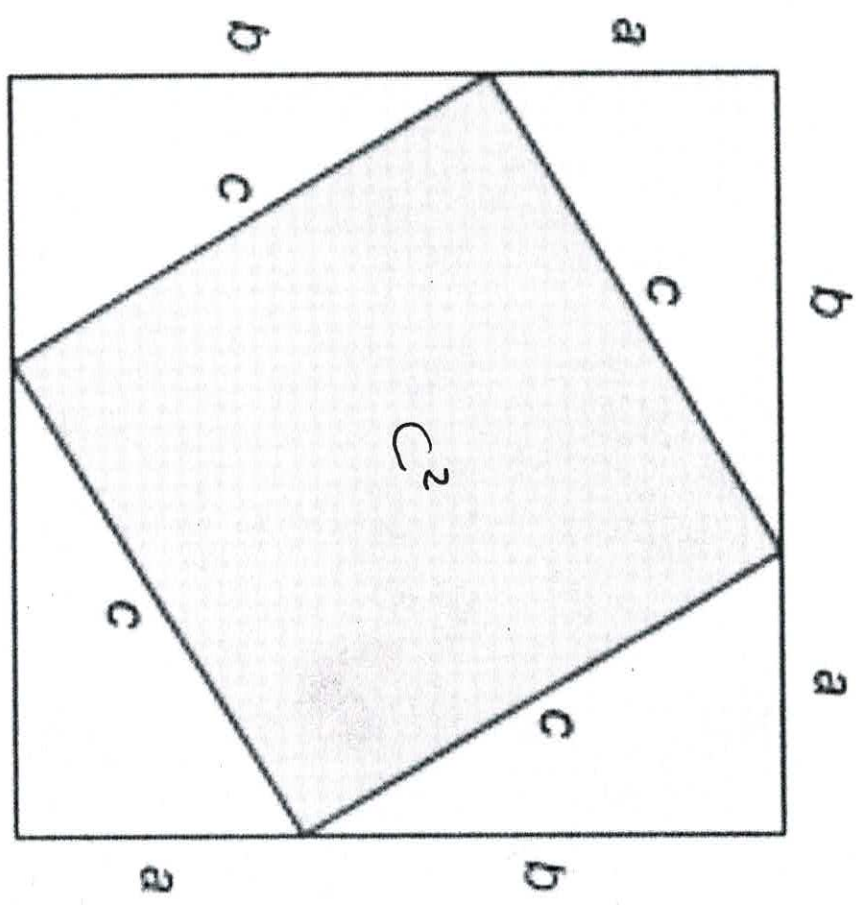


Proof of the Pythagorean Theorem: $a^2 + b^2 = c^2$



Call the triangle area T .
 Here, we see that
 $(a+b)^2 = a^2 + b^2 + 4T$.



Here, we see that
 $(a+b)^2 = c^2 + 4T$.

Thus, $a^2 + b^2 = c^2$.

QED