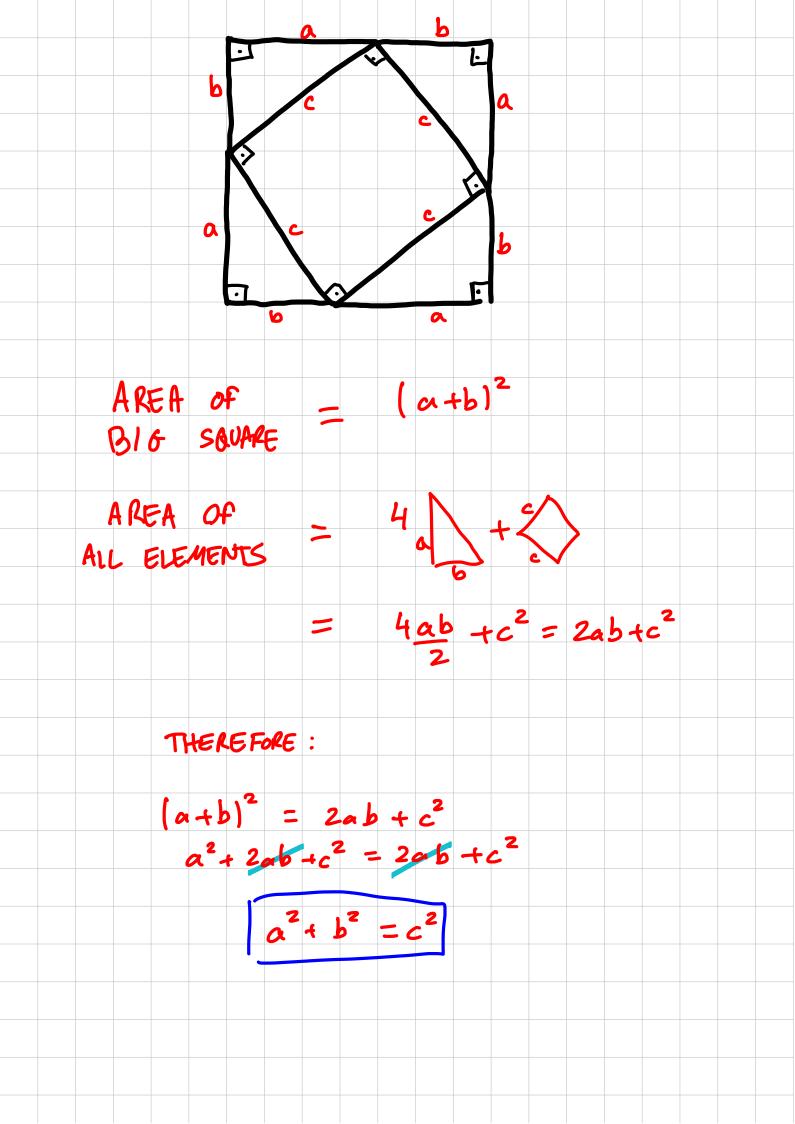
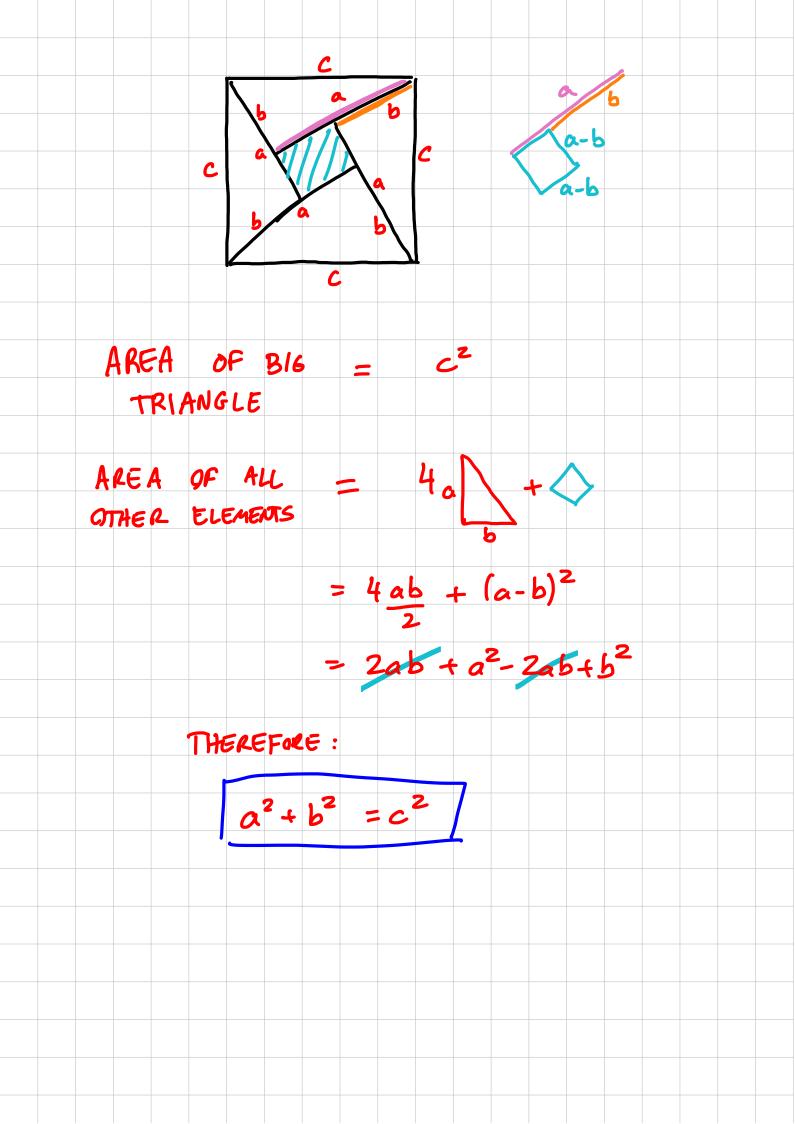
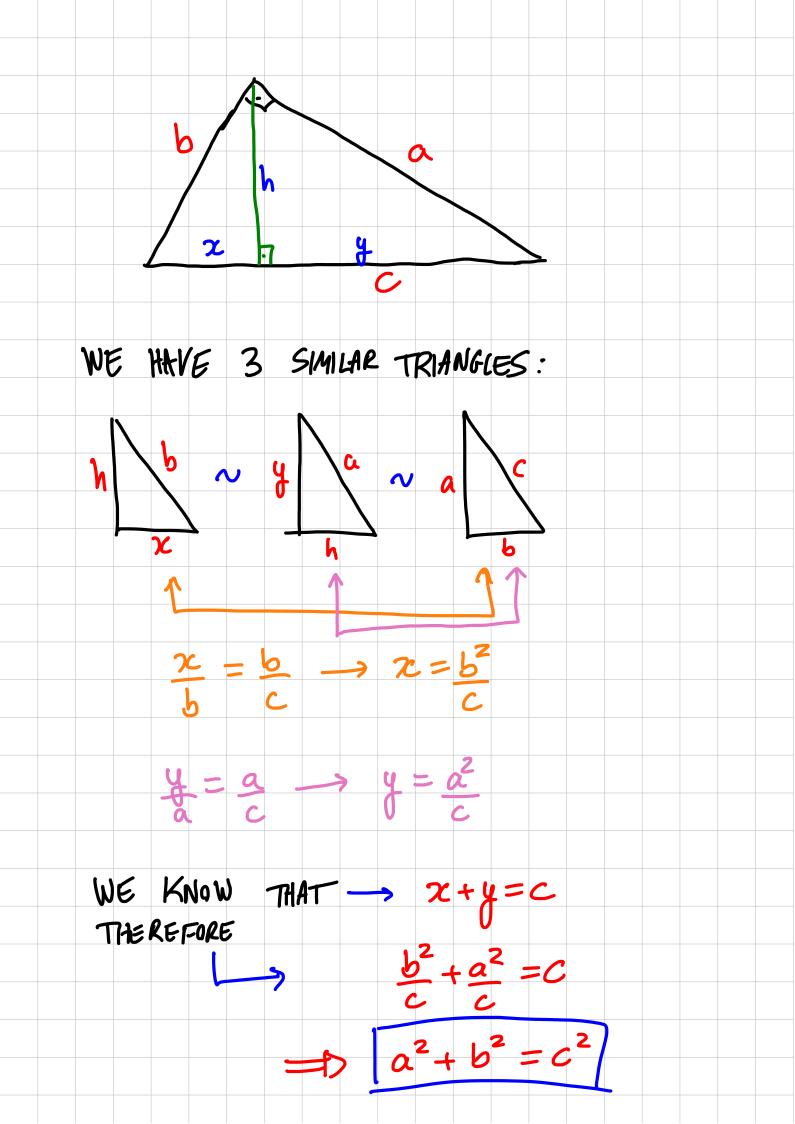
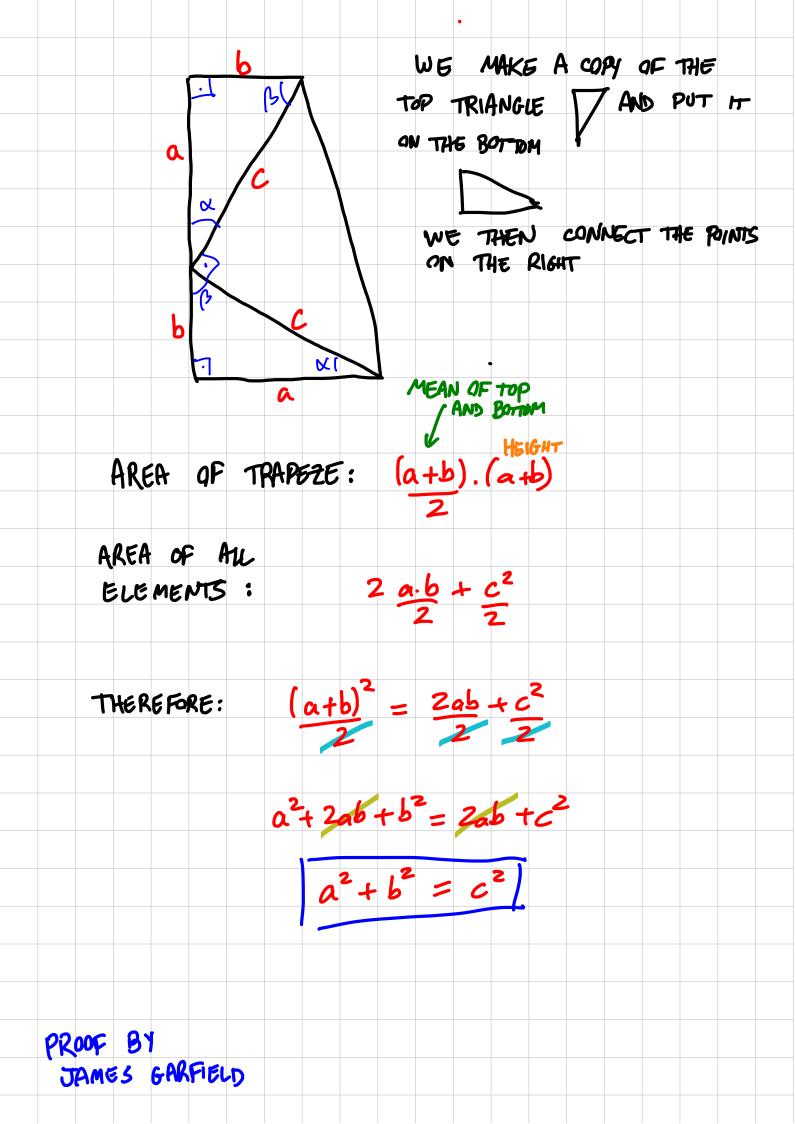
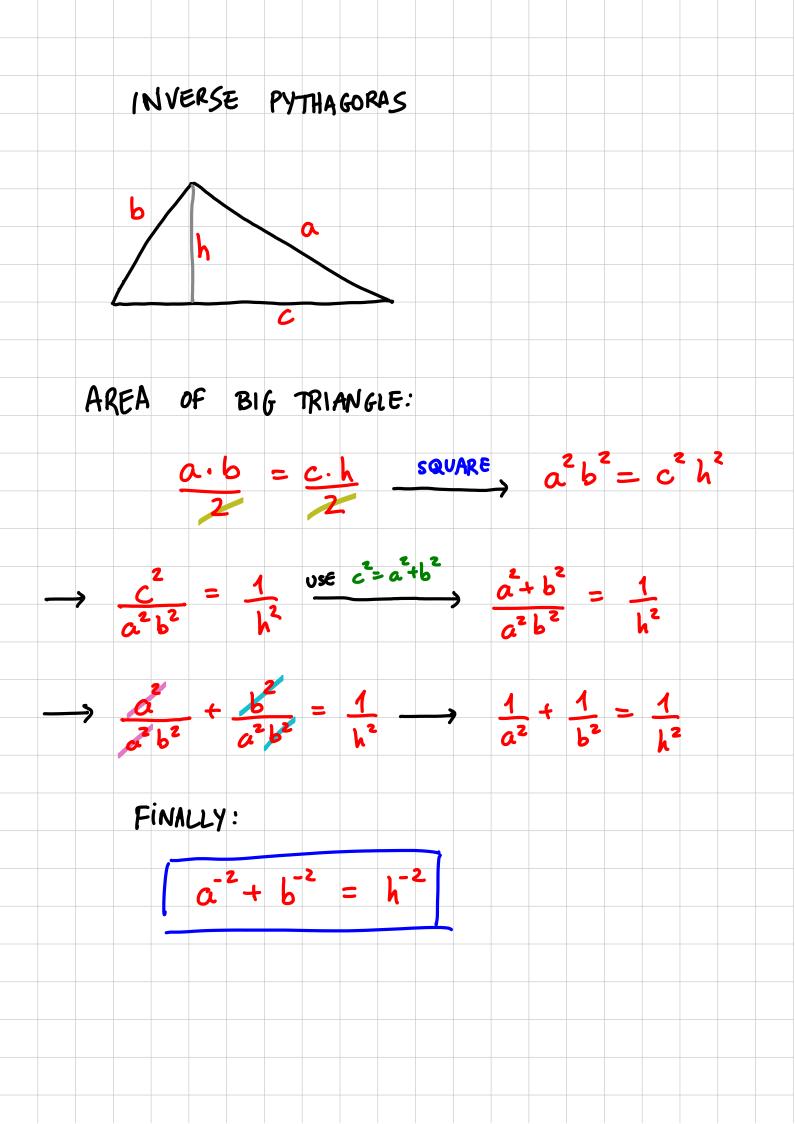
## PROOFS OF THE PYTHAGOREAN THEOREM

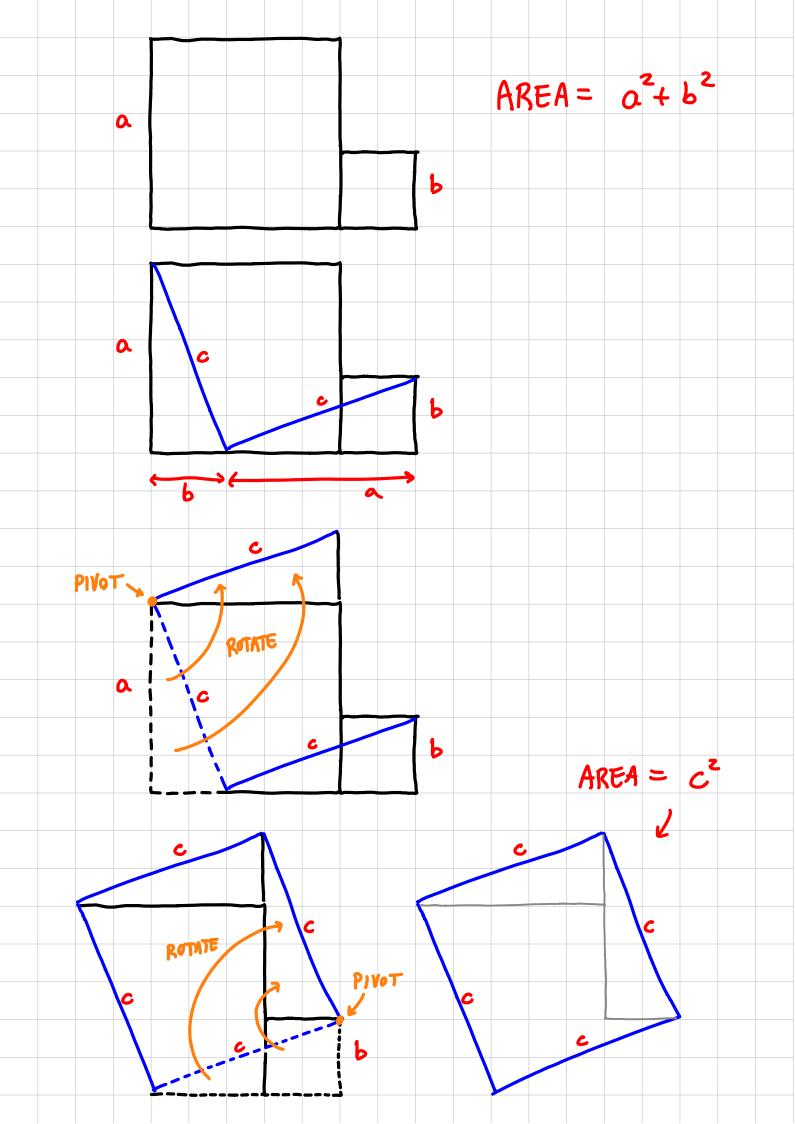


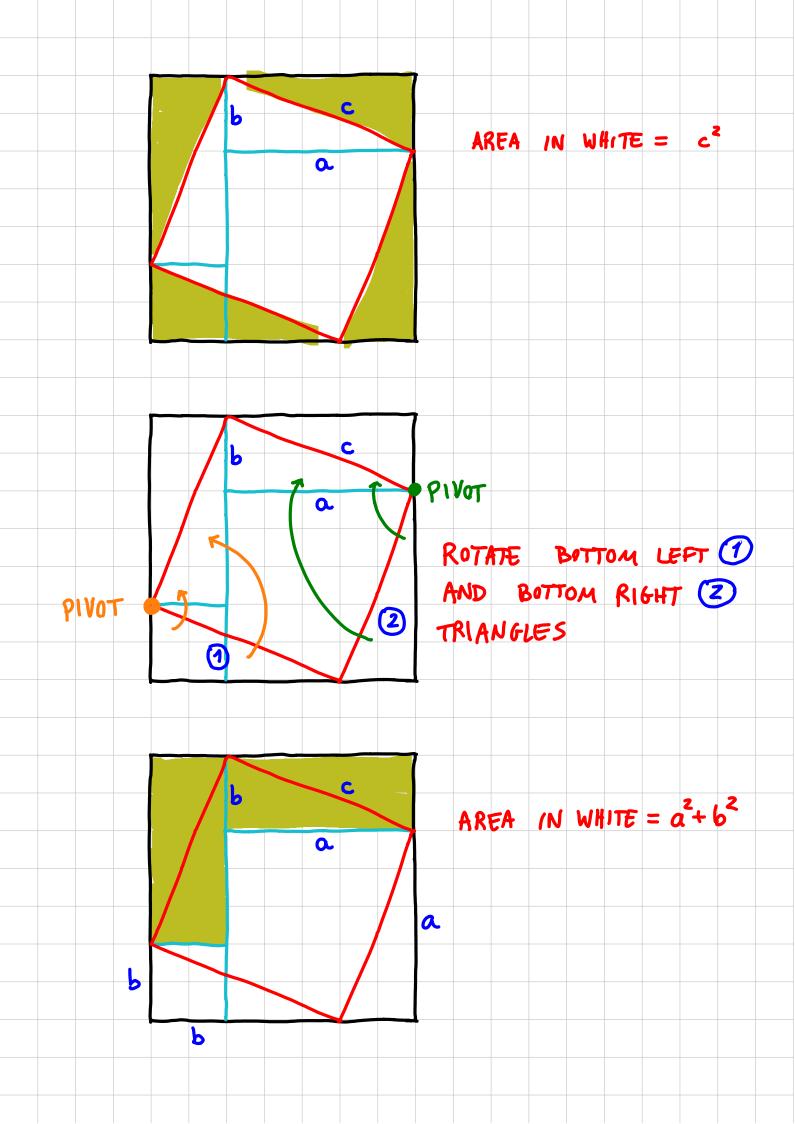


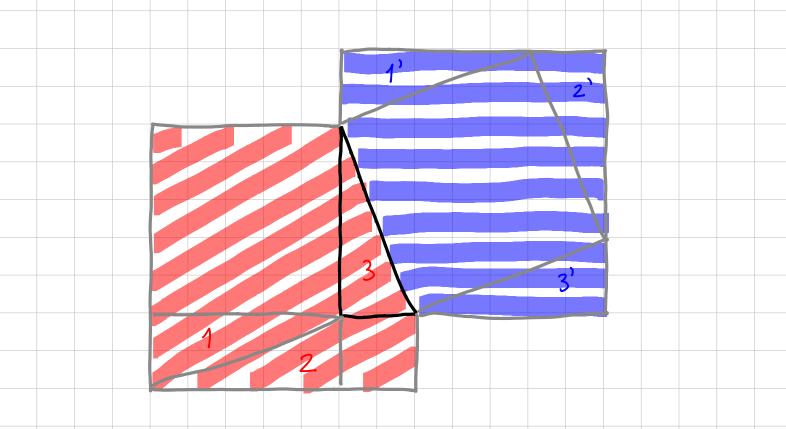












THESE TWO PENTAGONAL SHAPES (RED AND BLUE)

ARE IDENTICAL, THEREFORE THEY HAVE THE SAME AREA.

REMOVE THE RED TRIANGLES (1, 2, 3) AND THE IDENTICAL

BLUE TRIANGLES (1', 2', 3').

FINALY:

