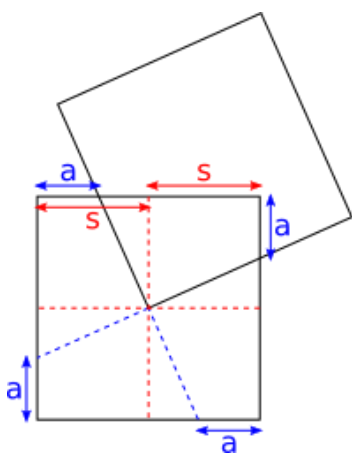


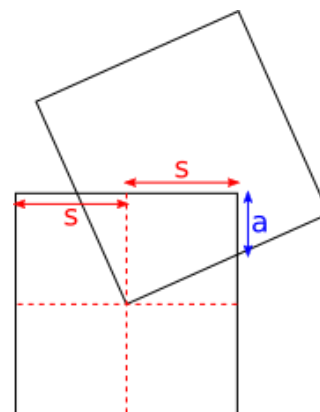
Can you show that, whatever the orientation of the red square, it covers a quarter of the blue square?



Below are some diagrams which form a proof. Add an explanation to each diagram to complete the proof.

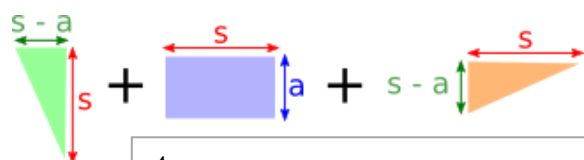
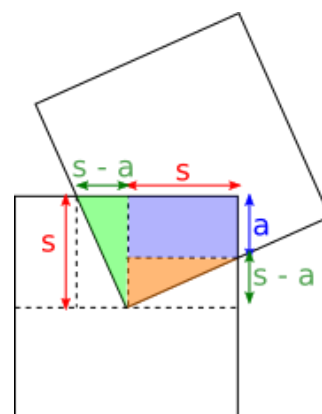


1.



2.

3.



4.

5.

