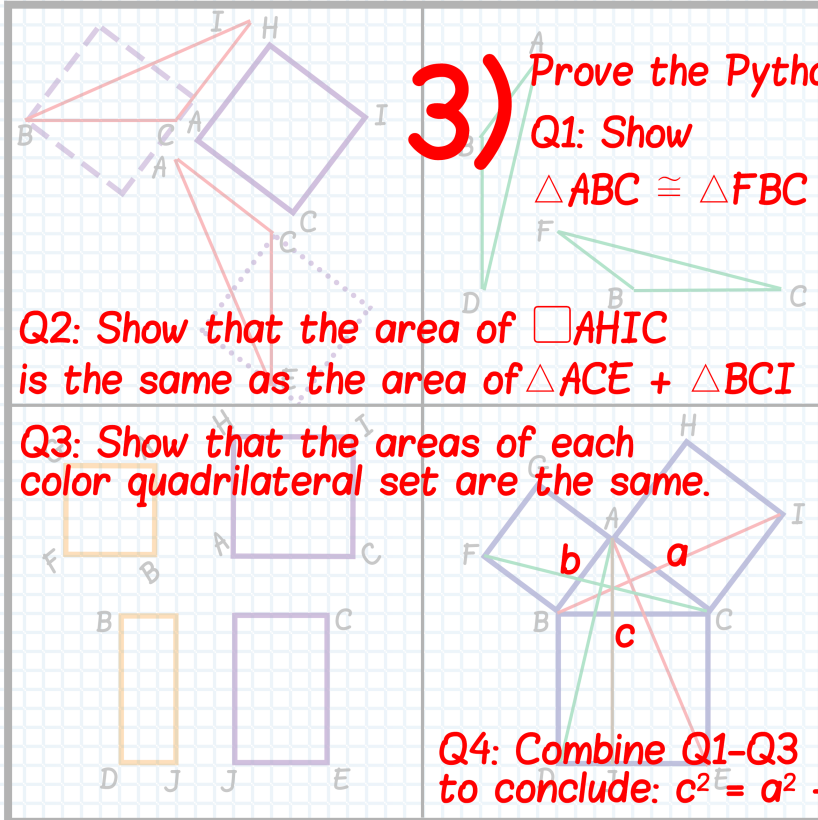


Name: *Lesson Plan Ideas* for Congruence Necromancer (Common Core 8.G.A.2 + 8.G.A.4 + 8.G.B.6)



3) Prove the Pythagorean Theorem

Q1: Show $\triangle ABC \cong \triangle FBC$

Q2: Show that the area of $\square AHIC$ is the same as the area of $\triangle ACE + \triangle BCI$

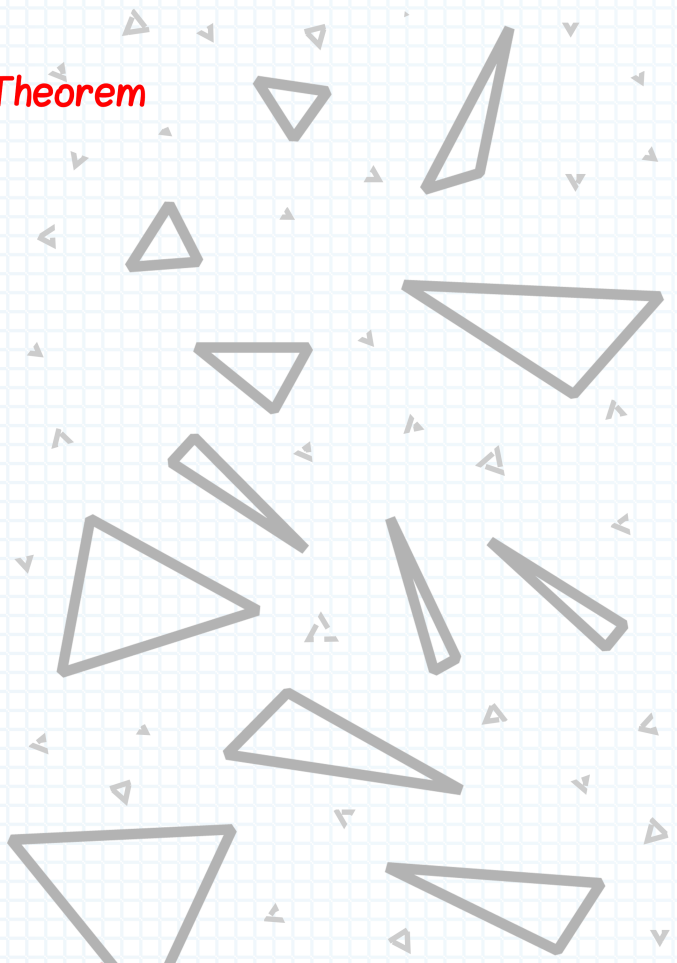
Q3: Show that the areas of each color quadrilateral set are the same.

Q4: Combine Q1-Q3 to conclude: $c^2 = a^2 + b^2$

2) Have the student use these operators in the app to transform each orange-rimmed triangle on the grid to match the solid black triangle.

Transform all 12 triangles to raise the dead!

congruent similar



1) *a mathematician's notebook beta*
 Measure these triangles. Are any congruent or similar?