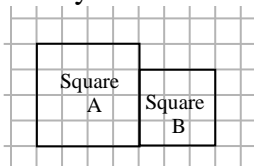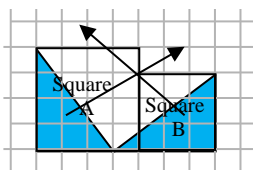Name _____ Period_____ Date_____

Informal Proof of the Pythagorean Theorem #2

A right triangle has been drawn for you on a piece of graph paper, with leg measurements of 3 units and 4 units. A square has also been drawn on each side of the triangle.
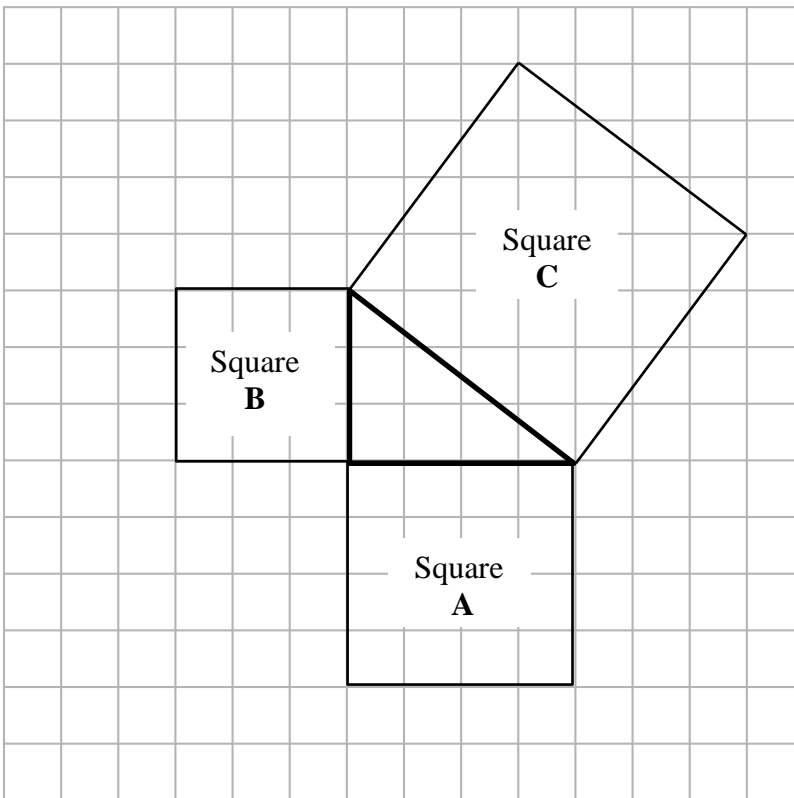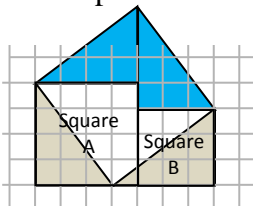
1. Cut out squares A and B and place them side by side.

2. Draw two triangles as shown below; cut along the hypotenuses and slide as shown.

3. Tape the repositioned triangles.

4. How does your new square compare with square C?

5. Explain how the above informally proves the Pythagorean Theorem: $a^2 + b^2 = c^2$.

Informal Proof of the Pythagorean Theorem #2

Square
C

Square
B

Square
A

Square
C

Square
B

Square
A