Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Pythagorean Theorem

1. Draw the following accurately:



2. Cut out each triangle.

3. Rearrange the triangles into this square, and check that C, which should be empty, is a square.



4. What is the total area of A and B?

5. What is the area of C?

6. Why is the area of A + area of B = area of C?

7. What is the length of the **Hypotenuse**? How did you know?

8. Follow steps 1 – 7 again with this square:



9. Do you notice a pattern?

Hint:

*Homework*

