

- A. For each row, draw a right triangle with the given leg lengths on dot paper. Then, draw a square on each side of the triangle.

Length of leg 1	Length of leg 2	Area of square on leg 1	Area of square on leg 2	Area of square on hypotenuse
1	1	1	1	2
1	2			
2	2			
1	3			
2	3			
3	3			
3	4			

- B. For each triangle, find the areas of the squares on the legs and on the hypotenuse. Record your results.
- C. Look for a pattern in the relationship among the areas of the three squares. Use the pattern you discover to make a conjecture about the relationship among the areas.
- D. Draw a right triangle with side lengths that are different from those in the table. Use your triangle to test your conjecture from part C.