

a^2

b^2

c^2



The diagram shows a large rectangle with a diagonal line from the bottom-left corner to the top-right corner. A second line segment connects the top-left corner to the bottom-right corner, intersecting the diagonal. This intersection divides the rectangle into three regions: a green triangle at the top-left, a blue triangle at the bottom, and a red triangle at the top-right. The top edge of the rectangle is divided into two segments by the intersection point. The left segment is labeled a^2 and the right segment is labeled b^2 . The bottom edge of the rectangle is labeled c^2 .