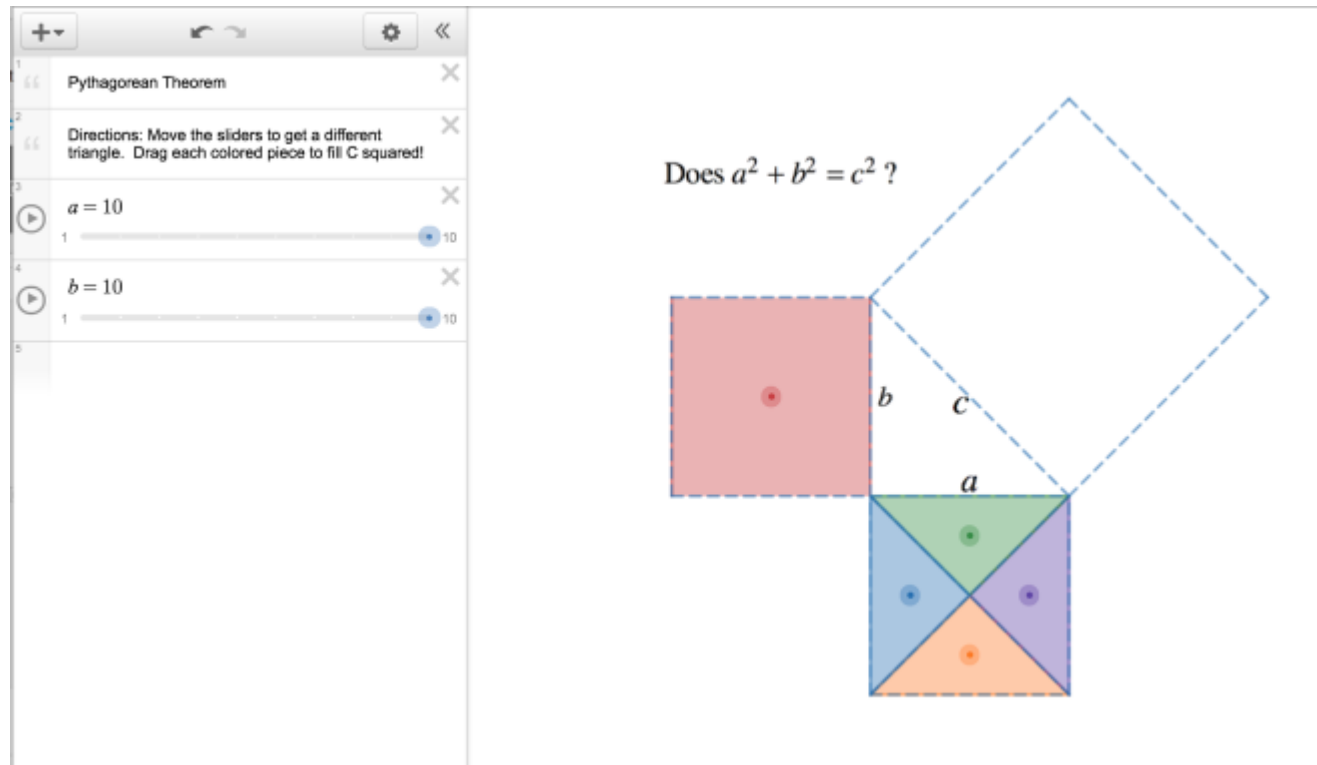


CCG 2.3.2: The Pythagorean Theorem (Desmos)

Click on the link below for the "The Pythagorean Theorem."

[The Pythagorean Theorem \(Desmos\)](#)

1. Pythagorean Theorem:



The image shows a screenshot of the Desmos interactive tool for the Pythagorean Theorem. On the left, a sidebar contains the following elements:

- 1. A title "Pythagorean Theorem" with a close button.
- 2. Directions: "Move the sliders to get a different triangle. Drag each colored piece to fill C squared!"
- 3. A slider for $a = 10$ with a value of 10.
- 4. A slider for $b = 10$ with a value of 10.
- 5. A blank area for notes.

On the right, a geometric diagram illustrates the Pythagorean Theorem. It features a right triangle with legs of length a and b , and hypotenuse of length c . The squares constructed on these sides are shown. The square on the hypotenuse is a large white square with a dashed blue border. The squares on the legs are a red square (on side b) and a blue square (on side a). The red square is partially filled with a red dot. The blue square is divided into four colored triangles (green, purple, orange, and blue) that can be dragged to fill the white square on the hypotenuse. The text "Does $a^2 + b^2 = c^2$?" is displayed above the diagram.

2. Drag the colored shapes to fill c^2 . Do they fit?

Does $a^2 + b^2 = c^2$?

