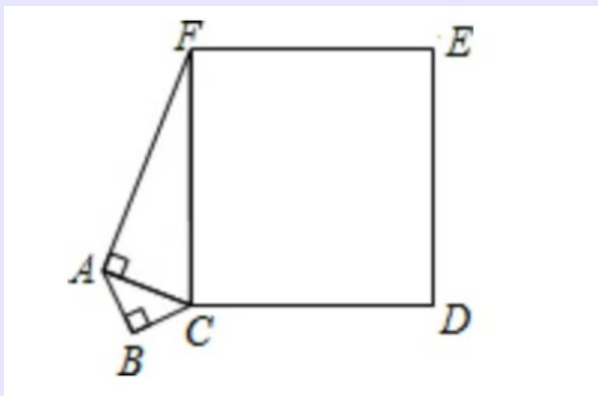


## Question 1

As shown in the figure, the length of  $BC$  is 3 cm, the length of  $AB$  is 4 cm, and the length of  $AF$  is 12 cm. Find the area of square  $CDEF$ .



## Question 2

Xiao Ming starts from home and walks 150 m due north. Then he walks due east until he is 250 m away from home. How far did Xiao Ming walk in the eastward direction?

## Question 3

According to legend, Pythagoras used the two diagrams shown in the figure to verify the Pythagorean Theorem. Can you explain the reasoning behind this?

