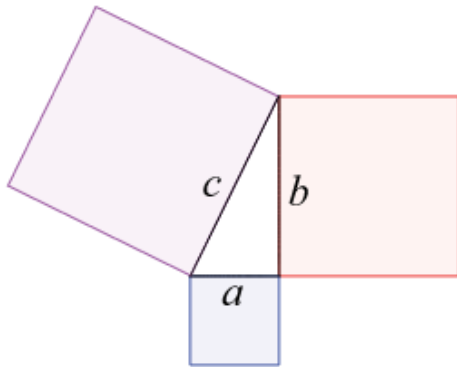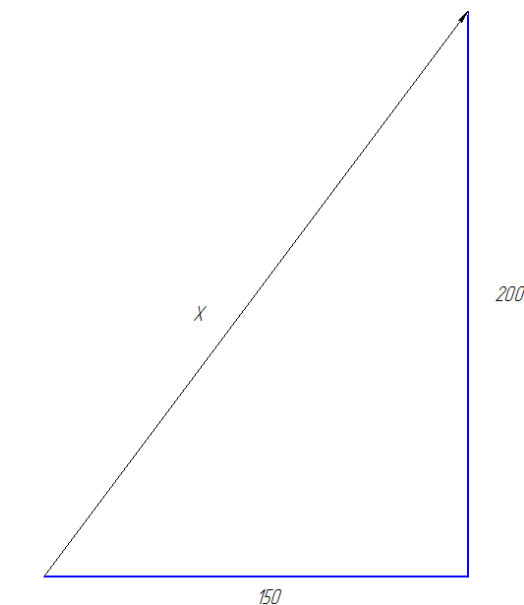**Task:**

A man goes 150m due east and then 200m due north. How far is he from starting point?

Solution:

Pythagorean equation:

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

$$X = \sqrt{150^2 m^2 + 200^2 m^2} = 250\ m$$

Answer:

$X = 250\ m$