

Correct. Given  $c = 15$  and  $a = 9$ , the Pythagorean Theorem gives us  $c^2 = a^2 + b^2$ , so  $15^2 = 9^2 + b^2$ , and therefore  $b^2 = 15^2 - 9^2 = 225 - 81 = 144$ , so  $b = \sqrt{144} = 12$ .