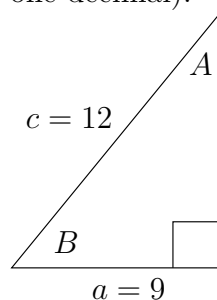
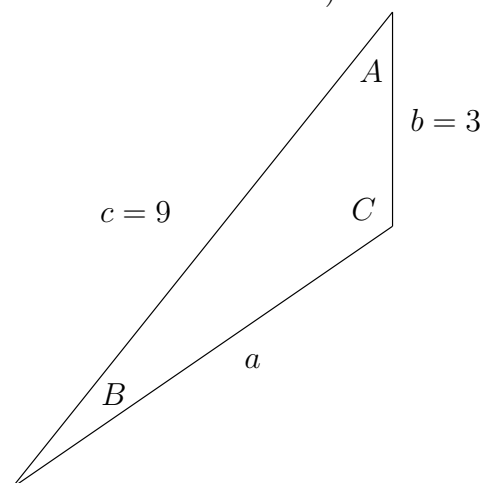


(1)[5 points] Find all remaining sides and angles in the following triangle (round final answers to one decimal):



(2)[5 points] In the following triangle  $A = 22^\circ$ . Find the remaining sides and angles (round final answers to one decimal):



(3)[5 points] Observers in towns located at  $A$  and  $B$  measure the angle of elevation to the peak of a 12,000 foot mountain to be  $28^\circ$  and  $46^\circ$ , respectively. Find the distance between the towns assuming the towns and the mountain peak lie in the same vertical plane.

