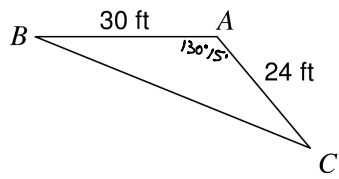
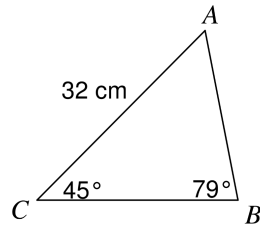


1) Solve the triangle



2) Find a .



A hiker plans to hike up and down a mountain from one end to another in a straight path. The angle of elevation from the start point is $42^{\circ}15'$ and from the end point is $48^{\circ}30'$. The horizontal distance between the start and end is 19.06 miles. Find the distance the hiker will travel. (Round to the nearest tenth)