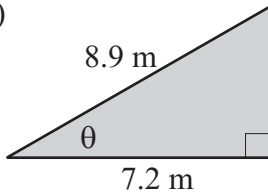


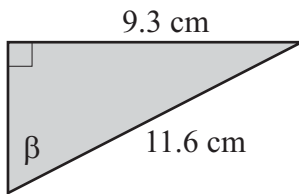
Name: _____

1. Find the unknown angles in the following triangles.
Give answers correct to one decimal place.

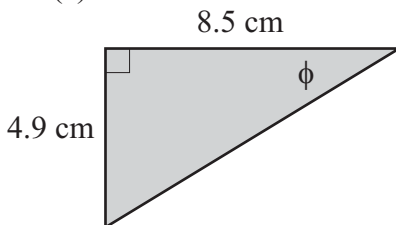
(a)



(b)



(c)



2. Two hikers walk 3.8 km north then 2.5 km east of their camp. What direction do they need to hike in a straight line back to their camp?
Give answer to the nearest degree.

3. The shadow of a 3.7 m pole was measured to be 6.5 m long. Some time later the shadow was measured to be 4.8 m long. What is the change in angle of the Sun's rays in this time?
Give answer in DMS to the nearest second.

4. One end of a 5.6 m plank of timber rests on the ground. The other end rests on bricks 450 mm off the ground. What angle does the plank make with the ground?
Give answer as a decimal to one decimal place.