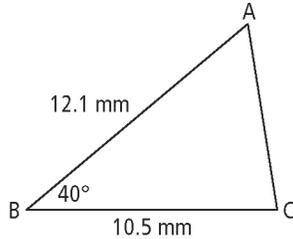


## Section 2.4 Extra Practice

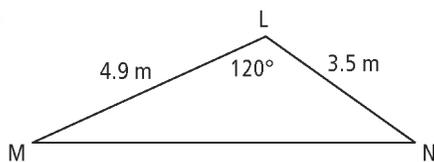
Where necessary, express lengths to the nearest tenth of a unit and angle measures to the nearest degree.

1. Determine the length of the unknown side of each triangle.

a)

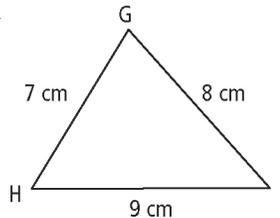


b)

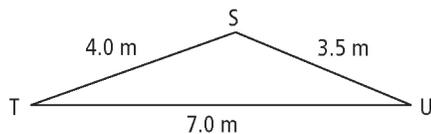


2. Determine the measure of the indicated angle.

a)  $\angle G$



b)  $\angle T$

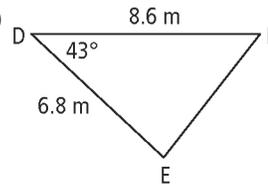


3. Make a sketch to show the given information for each triangle. Then, determine the indicated value.

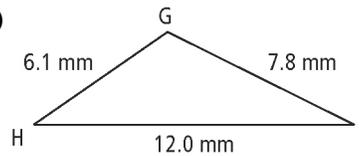
- a) In  $\triangle ABC$ ,  $AB = 7$  cm,  $AC = 7$  cm, and  $\angle A = 60^\circ$ . Determine the length of BC.  
 b) In  $\triangle DEF$ ,  $DE = 14.6$  cm,  $EF = 12.0$  cm, and  $DF = 18.5$  cm. Determine the measure of  $\angle D$ .

4. Determine the length of the unknown side and the measure of the unknown angles.

a)

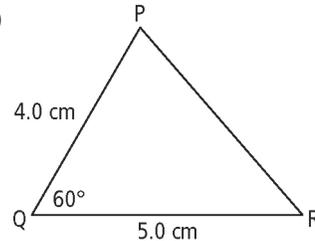


b)

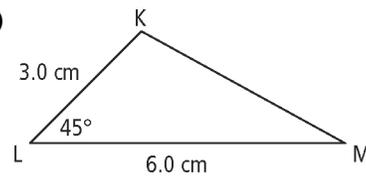


5. Determine the exact length of the unknown side in each triangle.

a)



b)



6. A golf green is 6 m wide. Within what angle must a player hit the ball in order to land on the green from a position about 20 m from the green?

