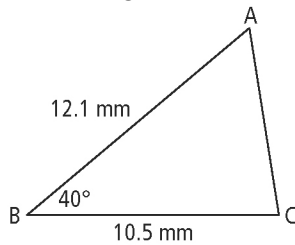


Section 2.4 Extra Practice

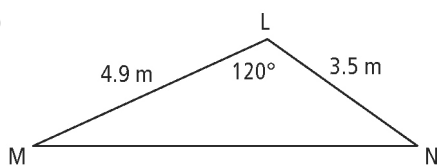
Where necessary, express lengths to the nearest tenth of a unit and angle measures to the nearest degree.

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

a)

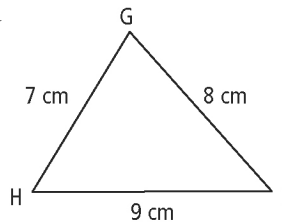


b)

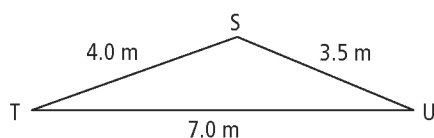


2. Determine the measure of the indicated angle.

a) $\angle G$



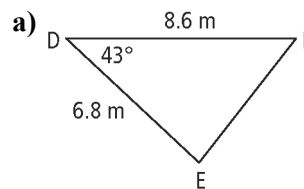
b) $\angle T$



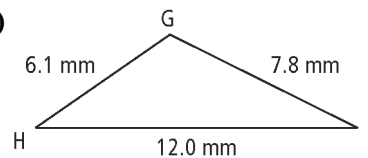
3. Make a sketch to show the given information for each triangle. Then, determine the indicated value.

- 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.

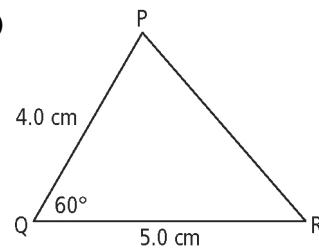


b)

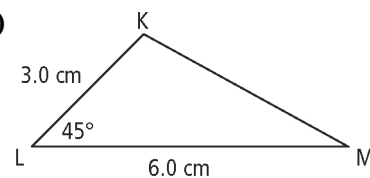


5. Determine the exact length of the unknown side in each triangle.

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?

