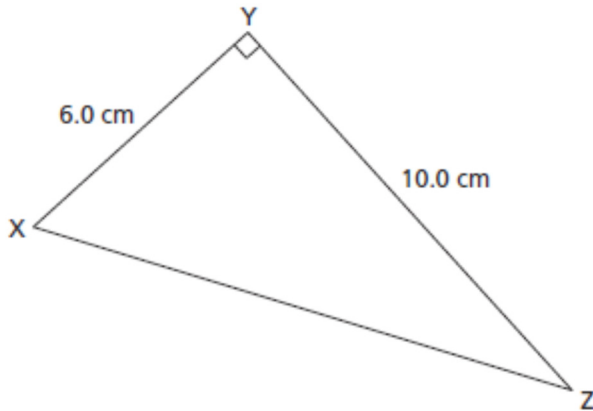


## Lesson 4 Applying the Trigonometric Ratios

**Solve the Triangle** means determine the measures of all unknown sides and angles in the triangle.

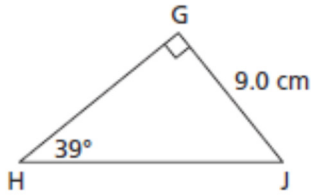
### Example 1

Solve  $\triangle XYZ$ .



### Example 2

Solve.



### Example 3

A small table has the shape of a regular octagon. The distance from one vertex to the opposite vertex, measured through the centre of the table, is approximately 30 cm. There is a strip of wood veneer around the edge of the table. What is the length of this veneer to the nearest centimeter?

