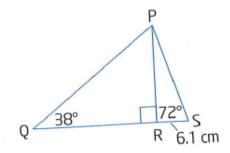
MCF3M Lesson 3

Solving Problems with Right Triangles

Work through each of the examples below. Hints are provided. The full solutions are in your textbook for you to either check your final answer or to provide a hint if you are stuck.

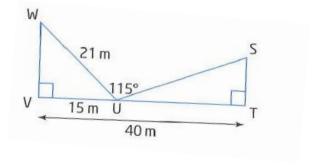
Example 1

Determine the length of side PQ in the diagram below.



Example 2

Determine the length of side ST in the diagram below.



MCF3M Lesson 3

Example 3

A security camera is mounted 8m above the ground on the outside of a building. Two vehicles are parked directly in front of the camera. Police determine that the angles of depression from the camera to each vehicle are 23° and 58°. How far apart were the vehicles?

Text page 200 #1 – 5, 8, 9 and page 191 #17