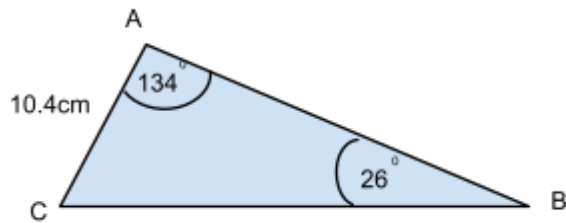# QT The Sine Rule - word problems

1. Work out the area of triangle ABC

2. The diagram shows a flagpole held by 2 wire ropes. From point A, the angle of elevation to the top of the flagpole is 65^0. From point B the angle of elevation to the top of the flagpole is 78^0 . The distance from A to B is 7.8m. Find the height of the flagpole.

Flagpole

A   B