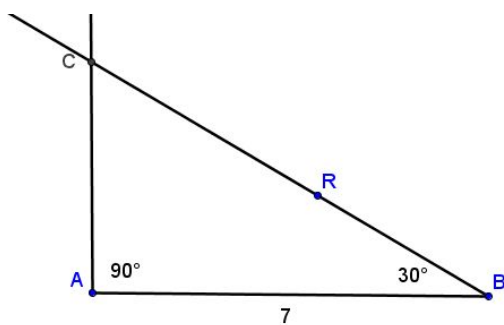


Student Activity Construction 14

Use in connection with the interactive file “construction 14” on the Student’s CD.

Construction 14: To construct a Right-angled triangle, given one side and one of the acute angles
(several cases).



1. Construct a right angled triangle ABC given the lengths $|AB| = 6$ cm $|\angle ABC| = 50^\circ$ and $|\angle ACB| = 90^\circ$.

2. In the triangle drawn in question 1 measure the other angle. _____

Find the sum of the three angles _____

Find the measure of the other sides of the triangle. _____

3. Construct a triangle PQR such that $|PQ| = 7.5$ cm, $|\angle RPQ| = 60^\circ$ and $|\angle PQR| = 90^\circ$.