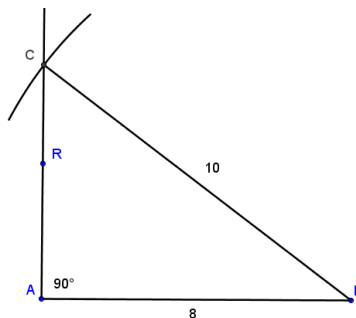


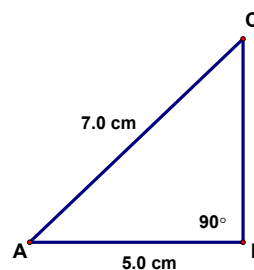
Student Activity Construction 13

Use in connection with the interactive file “construction 13” on the Student’s CD.

Construction 13: To construct a Right-angled triangle, given the length of the hypotenuse and one other side.



- The triangle ABC as shown is not drawn to scale.
Construct the a triangle ABC using the measurements as shown in the non scaled diagram.



- In the triangle constructed in question 1 measure the other angles. _____
Find the sum of the three angles _____
Find the measure of the other side of the triangle. _____
Is $|AC|^2 = |AB|^2 + |BC|^2$ _____

3. Construct a triangle PQR such that $|PQ| = 5 \text{ cm}$, $|QR| = 4 \text{ cm}$ and $|\angle PQR| = 90^\circ$.