

Triangle Constructions

Directions: On a separate piece of paper, construct the following triangles using a ruler and a protractor. Be sure to label your drawings: 1-7, label each side measurement and label each angle measurement. You can help each other in your boot camp groups.

1. Construct a triangle ABC in which $BC = 6$ cm, $CA = 5$ cm and $AB = 4$ cm.
2. Construct a triangle PQR in which $PQ = 5.8$ cm, $QR = 6.5$ cm, $PR = 4.5$ cm.
3. Construct a triangle LMN in which $LM = LN = 5.5$ cm, $MN = 7$ cm.
4. Construct a triangle STU in which $\angle T = 60^\circ$, $\angle U = 70^\circ$ and $TU = 7.5$ cm.
5. Construct a right triangle ABC in which $\angle C = 90^\circ$ and $\angle B = 45^\circ$, $CB = 5$ cm.
6. Construct a right triangle XYZ in which $\angle Y = 90^\circ$, $XY = 5$ cm and $YZ = 7$ cm.
7. Construct an equilateral triangle in which $AB = BC = CA = 6$ cm. What is the measure of its each angle?