

## Definitions

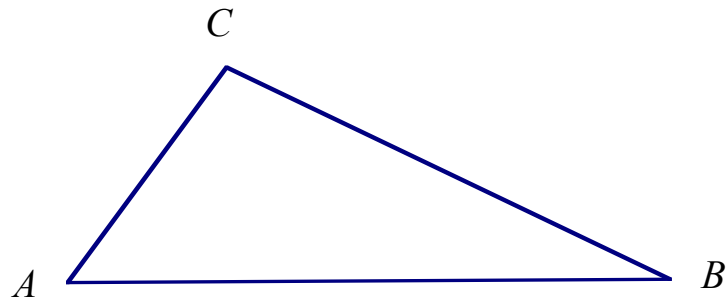
Let's define some of the words we're going to use in this section.

A *postulate* or *axiom* is something we believe without proof, a basic assumption. In math, we believe it because it keeps happening and we can't find a circumstance when it does not happen.

A *theorem* is a statement that has to be proved.

And a *corollary* is a statement that follows directly from a theorem – it also has to be proved.

Looking at the following triangle and the phrases in the box, these are important for you to know.



$\angle B$  lies opposite  $\overline{AC}$

$\angle B$  is included between  $\overline{AB}$  and  $\overline{BC}$

$\overline{BC}$  lies opposite  $\angle A$

$\overline{BC}$  is included between  $\angle B$  and  $\angle C$