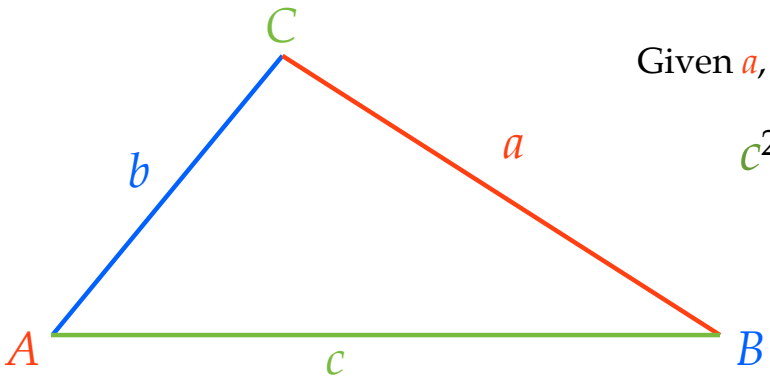
Name _____
Date _____ Period _____

The Law of Cosines

Given two sides and the included angle...

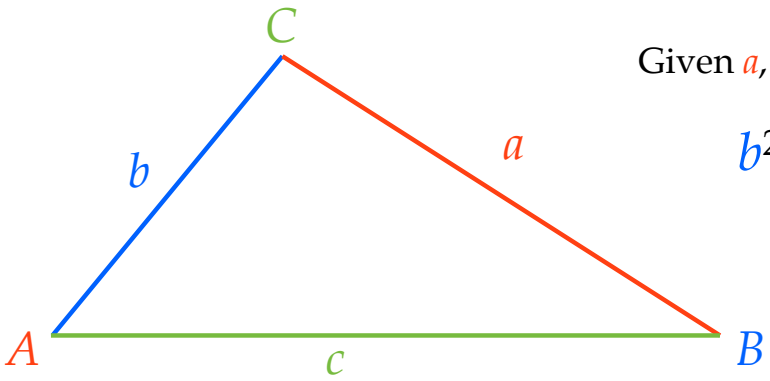


Given a, b and $m\angle C$, we can solve for c...

$$c^2 = a^2 + b^2 - 2ab\cos C$$

The Law of Cosines

Given two sides and the included angle...

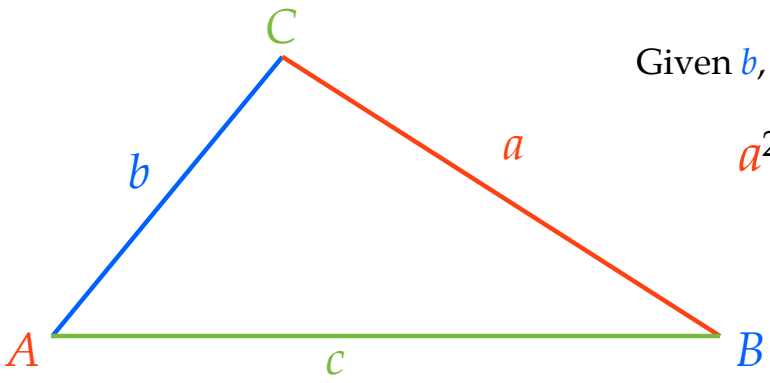


Given a, c and $m\angle B$, we can solve for b...

$$b^2 = a^2 + c^2 - 2ac\cos B$$

The Law of Cosines

Given two sides and the included angle...

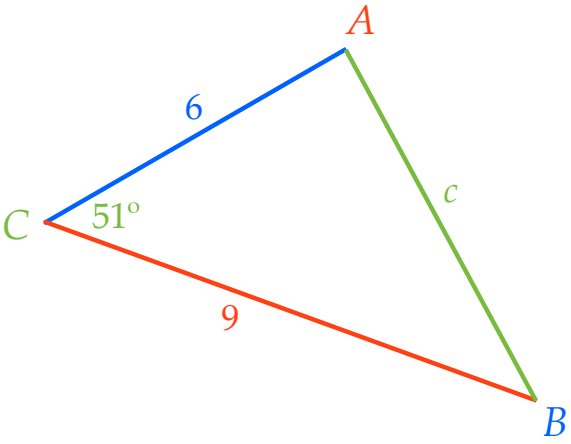


Given b, c and $m\angle A$, we can solve for a...

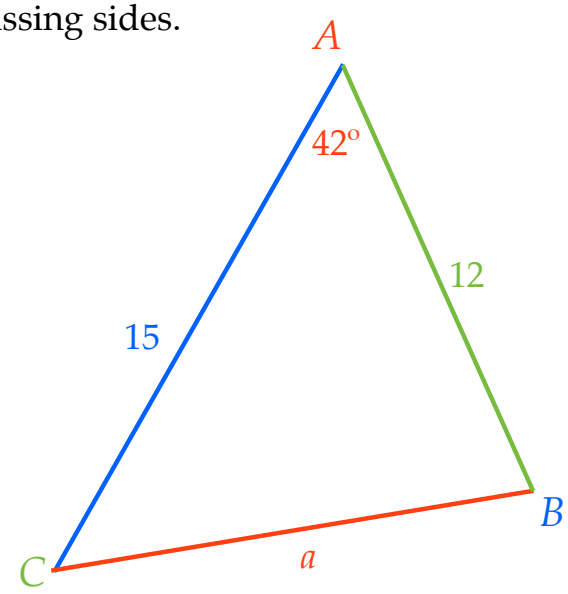
$$a^2 = b^2 + c^2 - 2bc\cos A$$

Use the Law of Cosines to find the value of the missing sides.

$$c^2 = a^2 + b^2 - 2ab\cos C$$



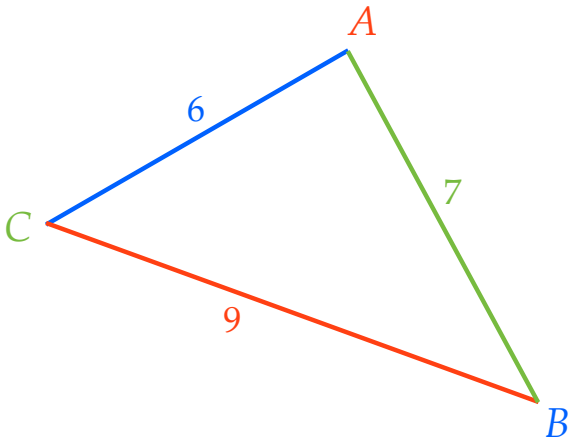
Use the Law of Cosines to find the value of the missing sides.



$$a^2 = b^2 + c^2 - 2bc \cos A$$

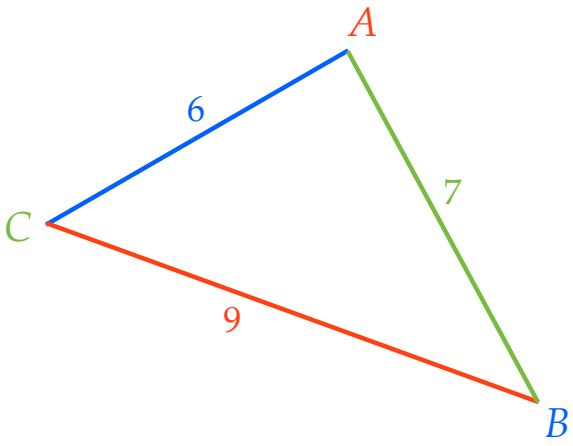
Use the Law of Cosines to find the value of the missing angles.

$$c^2 = a^2 + b^2 - 2ab \cos C$$



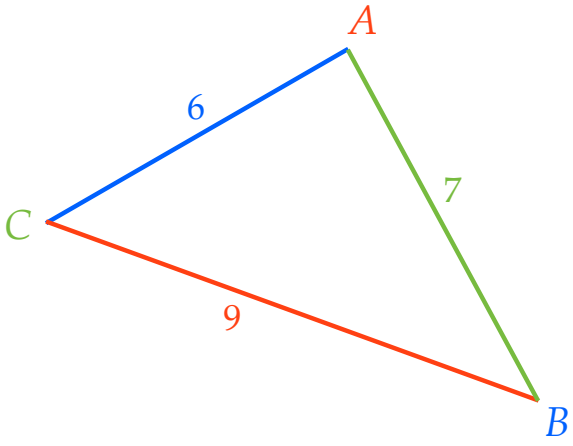
Use the Law of Cosines to find the value of the missing angles.

$$a^2 = b^2 + c^2 - 2bc \cos A$$



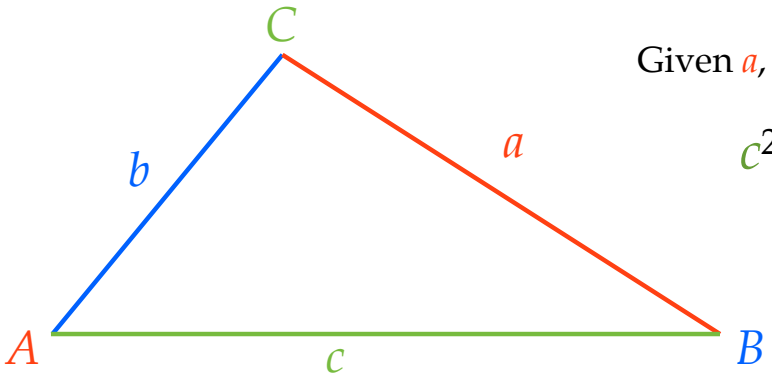
Use the Law of Cosines to find the value of the missing angles.

$$b^2 = a^2 + c^2 - 2ac \cos B$$



The Law of Cosines

Given two sides and the included angle...



Given a, b and $m\angle C$, we can solve for c...

$$c^2 = a^2 + b^2 - 2ab\cos C$$