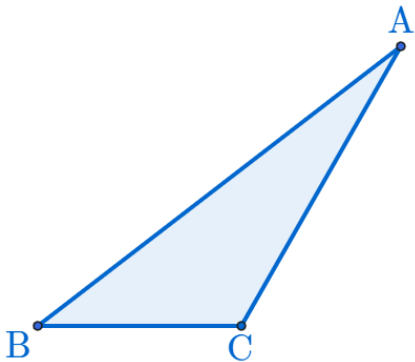


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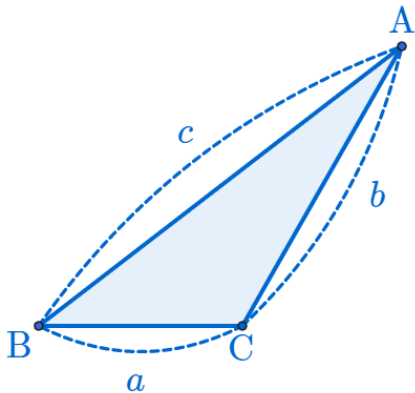
(The Law of Cosines for Obtuse Angle)

The Law of Cosines for Obtuse Angle

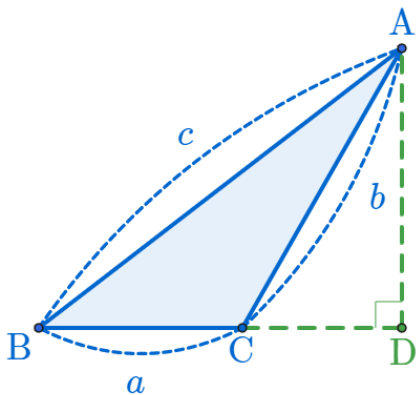
The Law of Cosines for Obtuse Angle



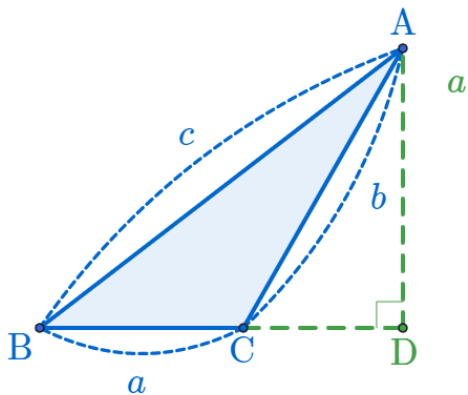
The Law of Cosines for Obtuse Angle



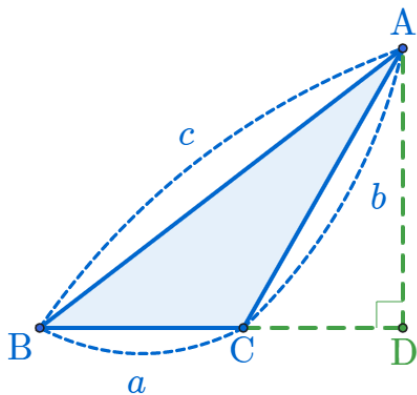
The Law of Cosines for Obtuse Angle



The Law of Cosines for Obtuse Angle

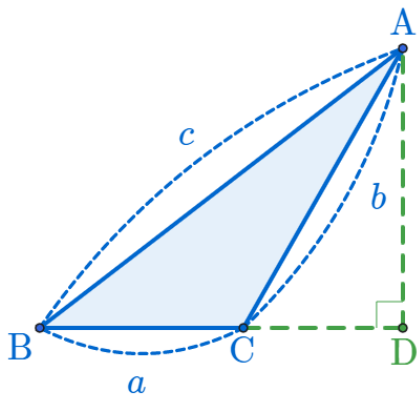


The Law of Cosines for Obtuse Angle



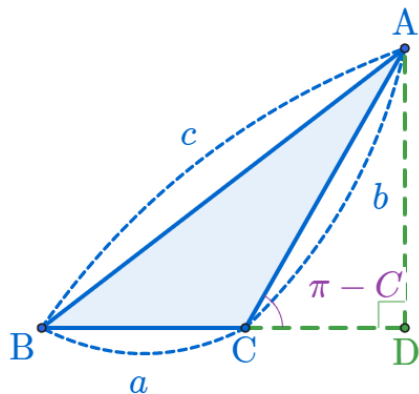
$$a = \overline{BD} - \overline{CD}$$

The Law of Cosines for Obtuse Angle



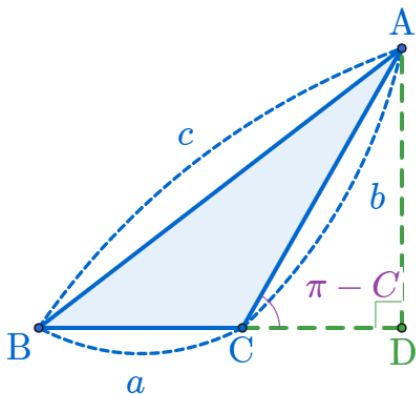
$$\begin{aligned} a &= \overline{BD} - \overline{CD} \\ &= c \cos B \end{aligned}$$

The Law of Cosines for Obtuse Angle



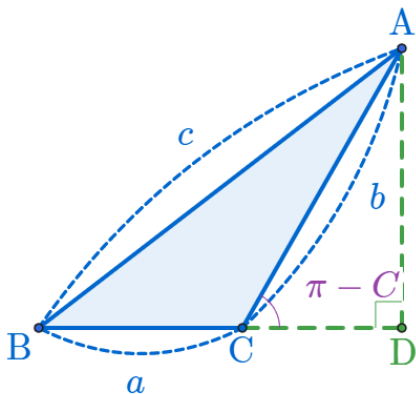
$$\begin{aligned} a &= \overline{BD} - \overline{CD} \\ &= c \cos B \end{aligned}$$

The Law of Cosines for Obtuse Angle



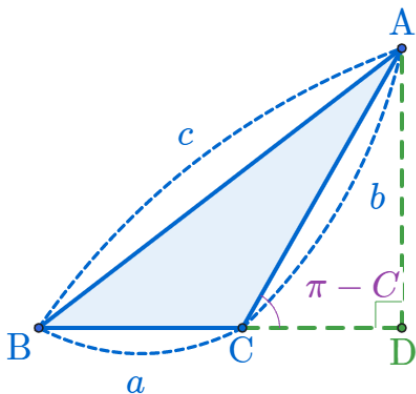
$$\begin{aligned} a &= \overline{BD} - \overline{CD} \\ &= c \cos B - b \cos(\pi - C) \end{aligned}$$

The Law of Cosines for Obtuse Angle



$$\begin{aligned} a &= \overline{BD} - \overline{CD} \\ &= c \cos B - b \cos(\pi - C) \\ &= c \cos B + b \cos C \end{aligned}$$

The Law of Cosines for Obtuse Angle



$$\begin{aligned} a &= \overline{BD} - \overline{CD} \\ &= c \cos B - b \cos(\pi - C) \\ &= c \cos B + b \cos C \end{aligned}$$

$$\therefore a = c \cos B + b \cos C$$

Github:

<https://min7014.github.io/math20201201001.html>

Click or paste URL into the URL search bar, and you can see a picture moving.