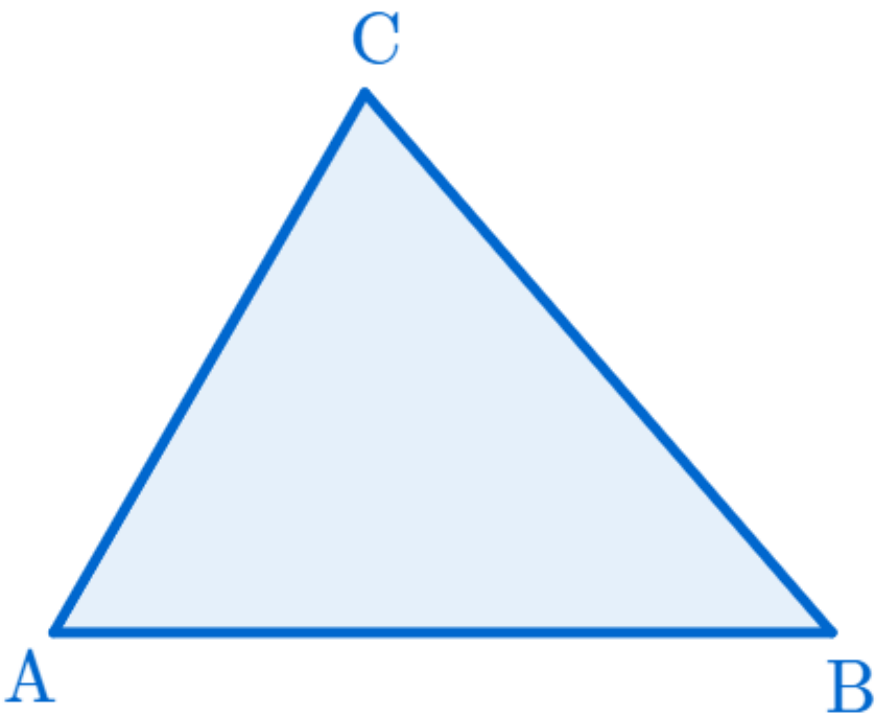
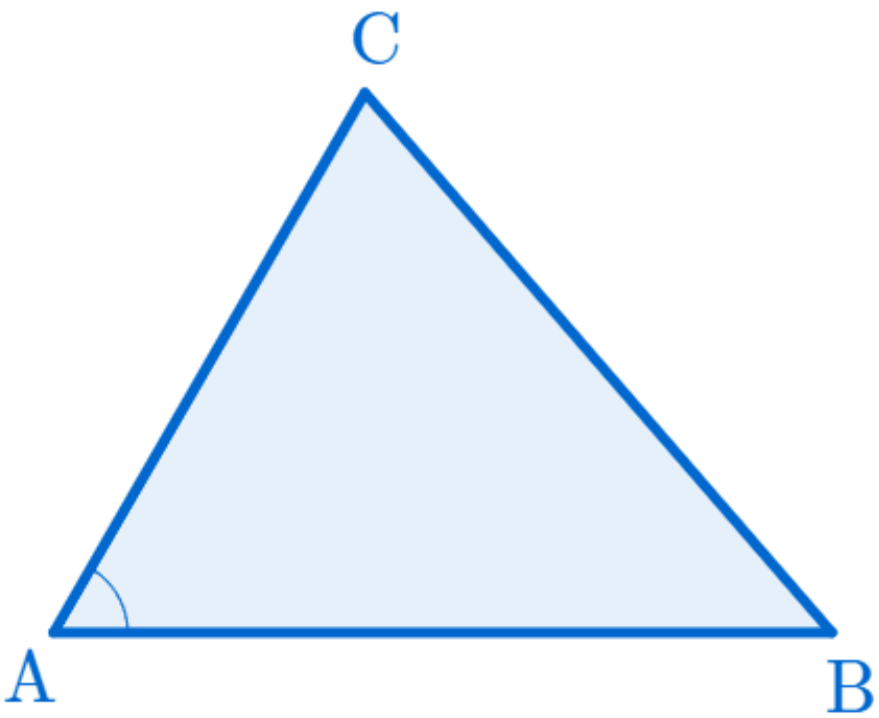
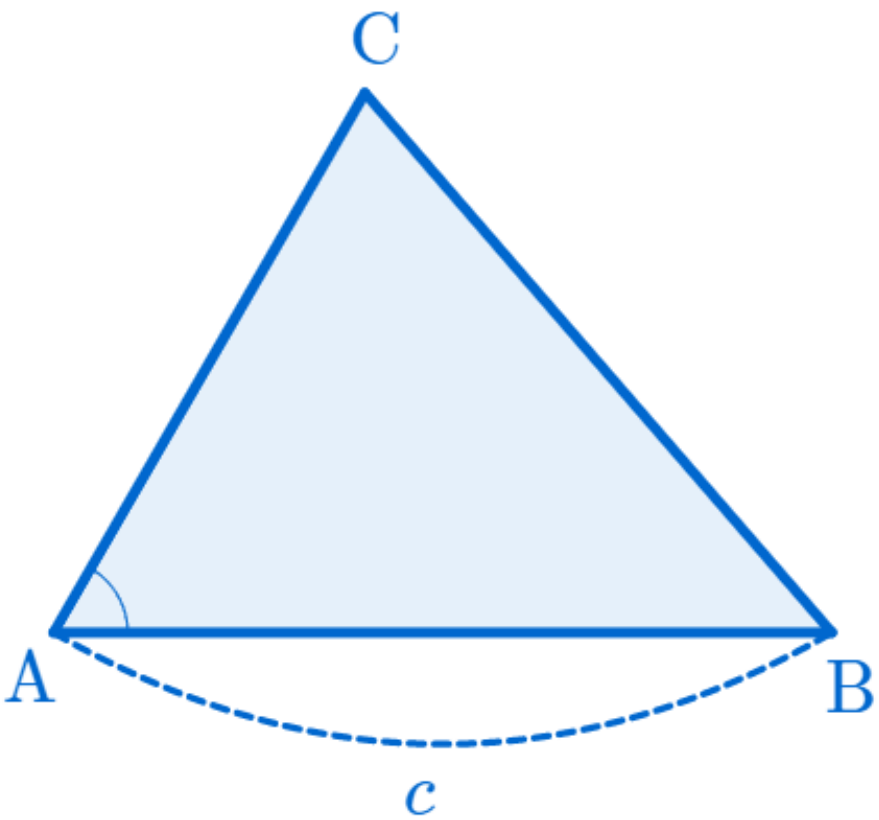
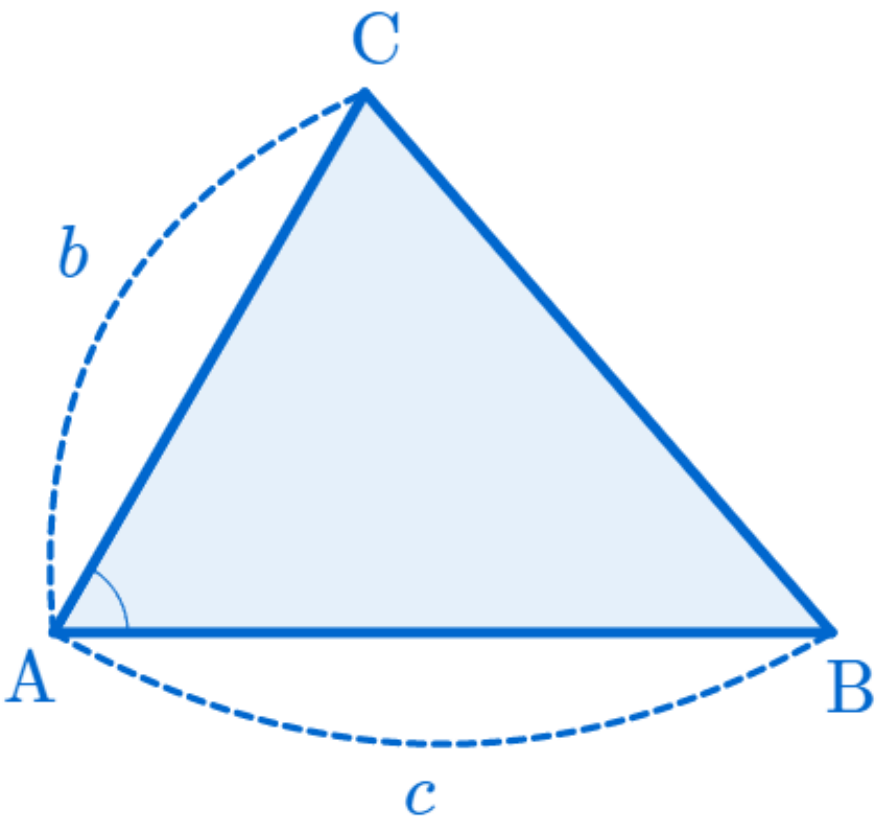
예각삼각형의 넓이
(The Area of Acute Triangle)

The Area of Acute Triangle

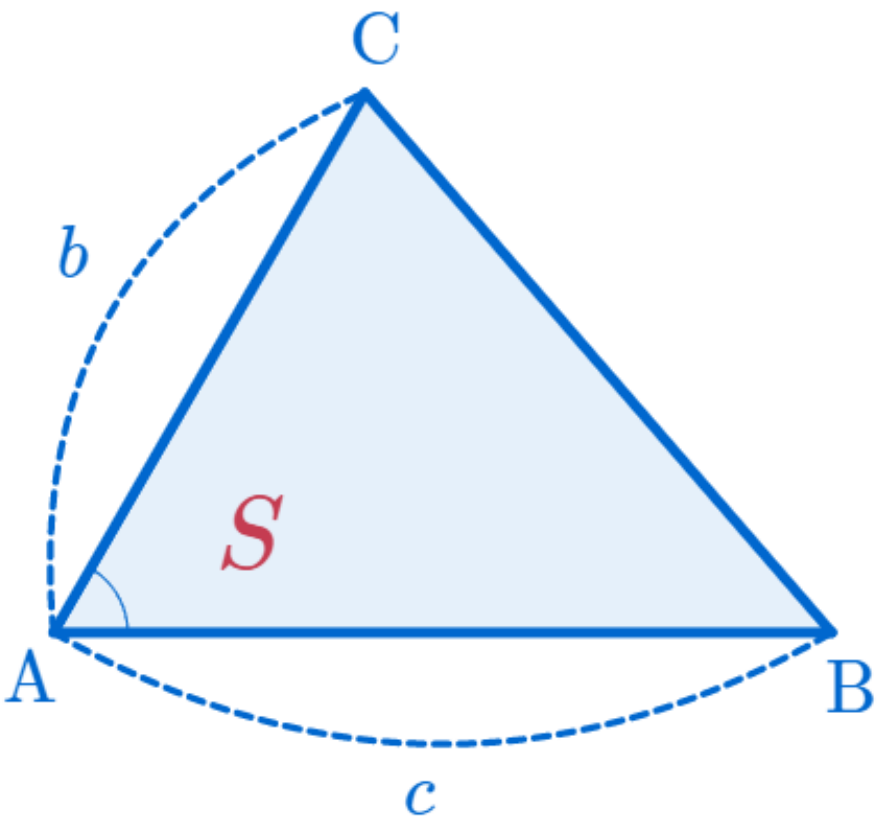

C
A
B

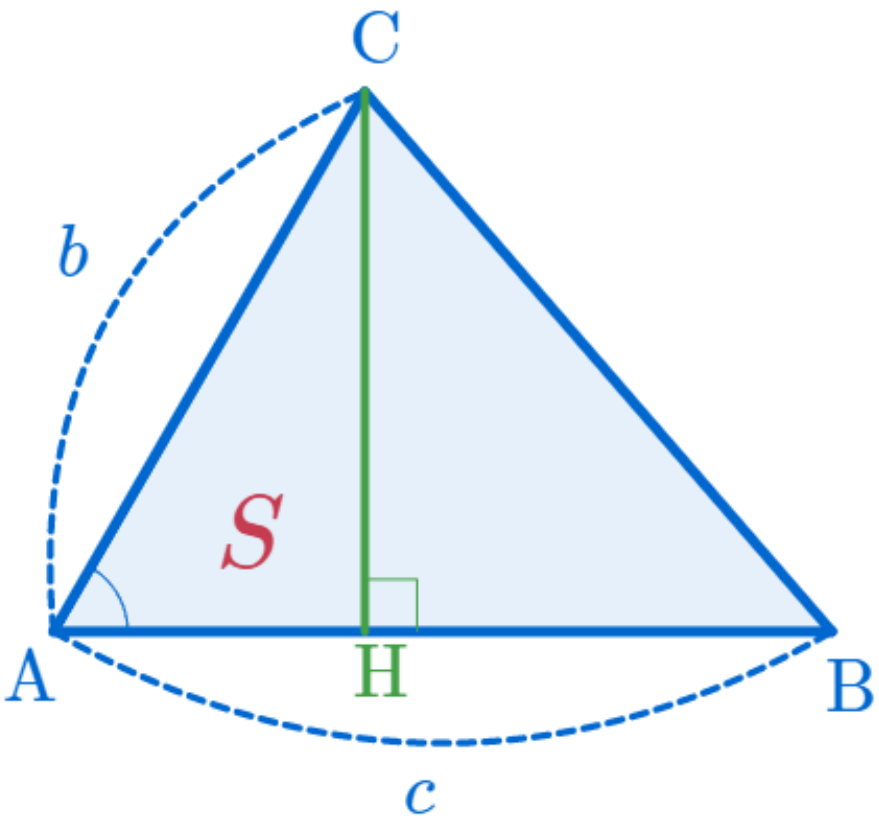

C
A
B


C
A
B
c

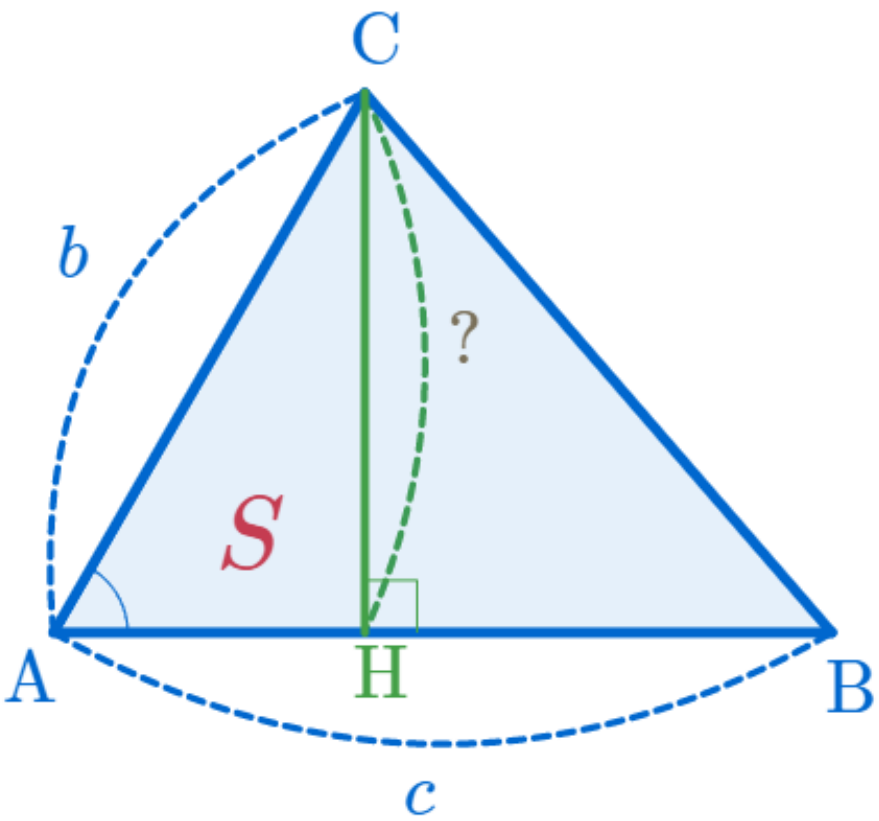

C
b
A
B
c

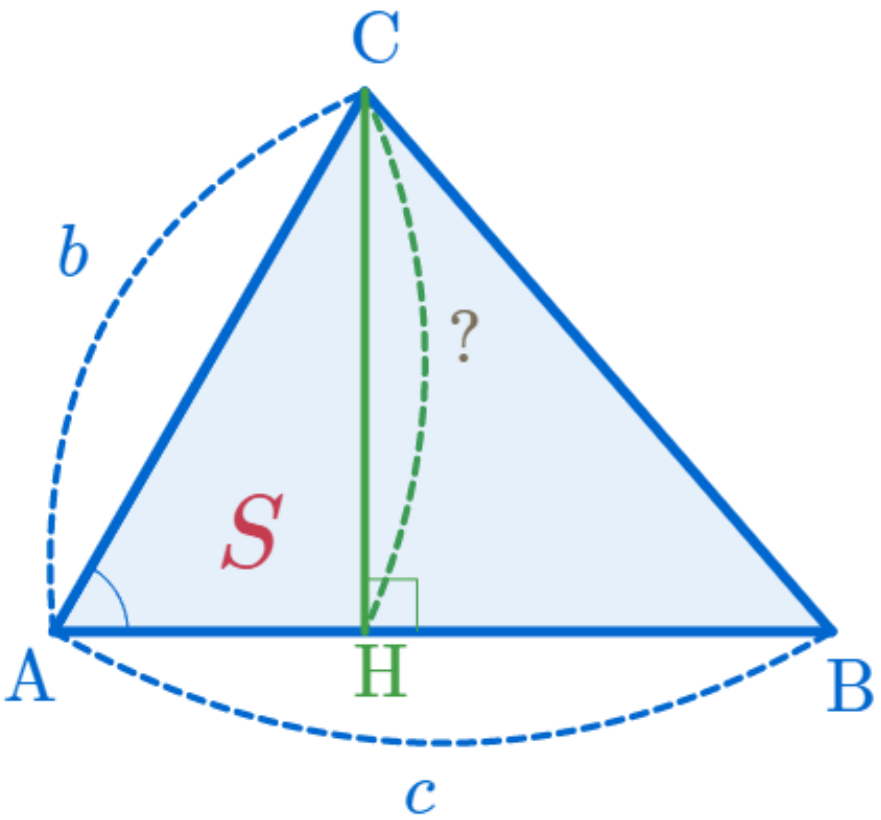
The Area of Acute Triangle



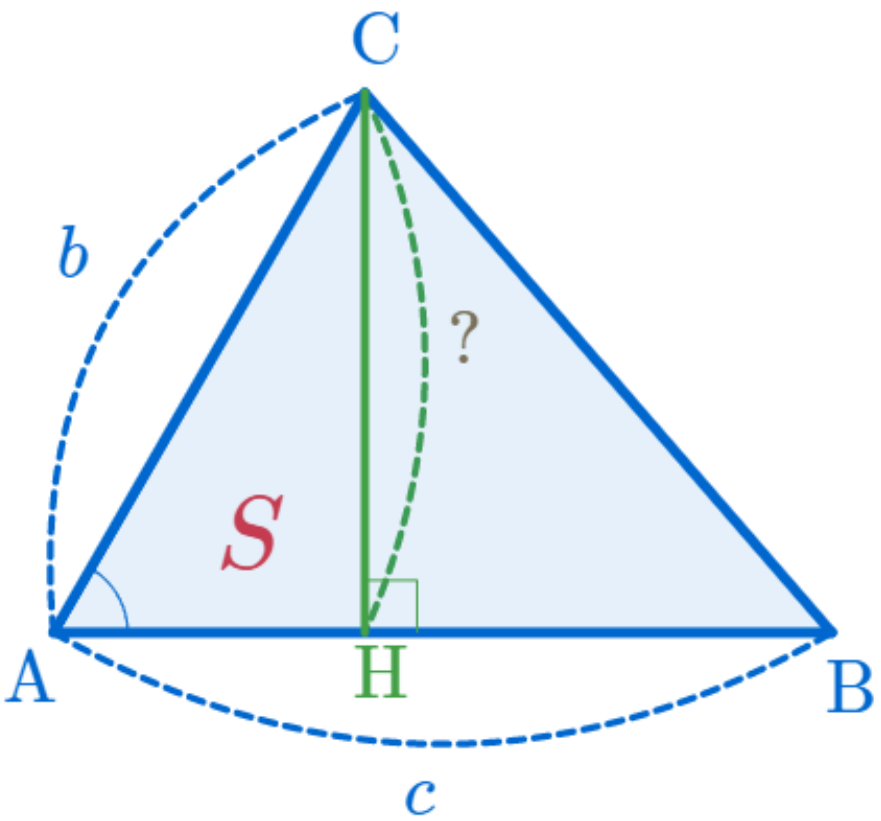

C
b
S
A
H
B
c

The Area of Acute Triangle

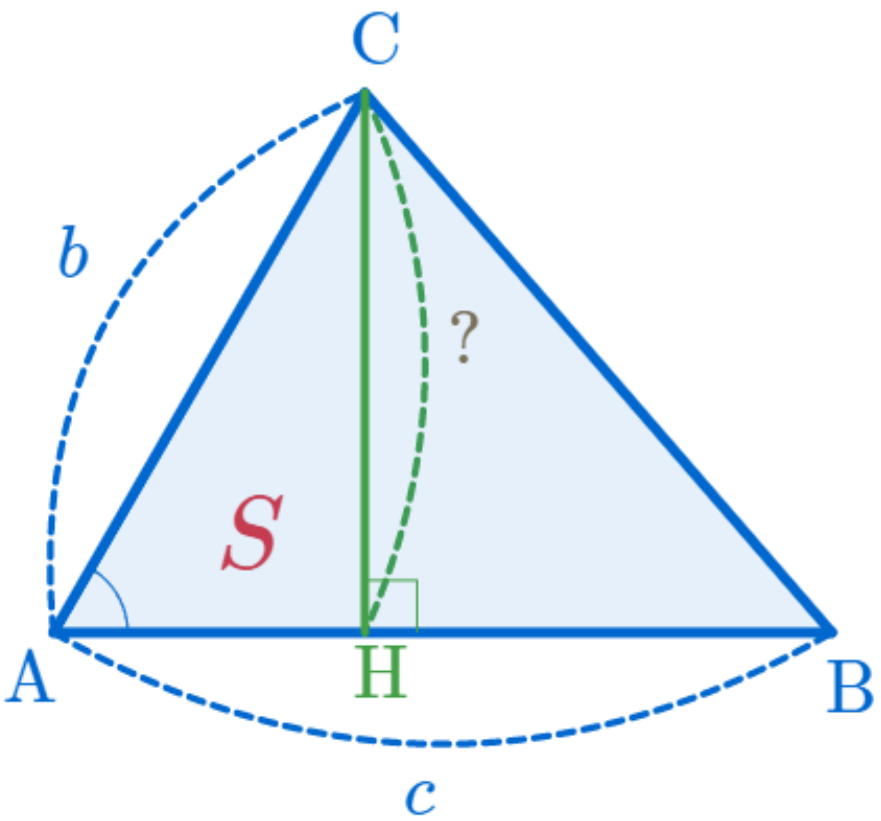




$\sin A$

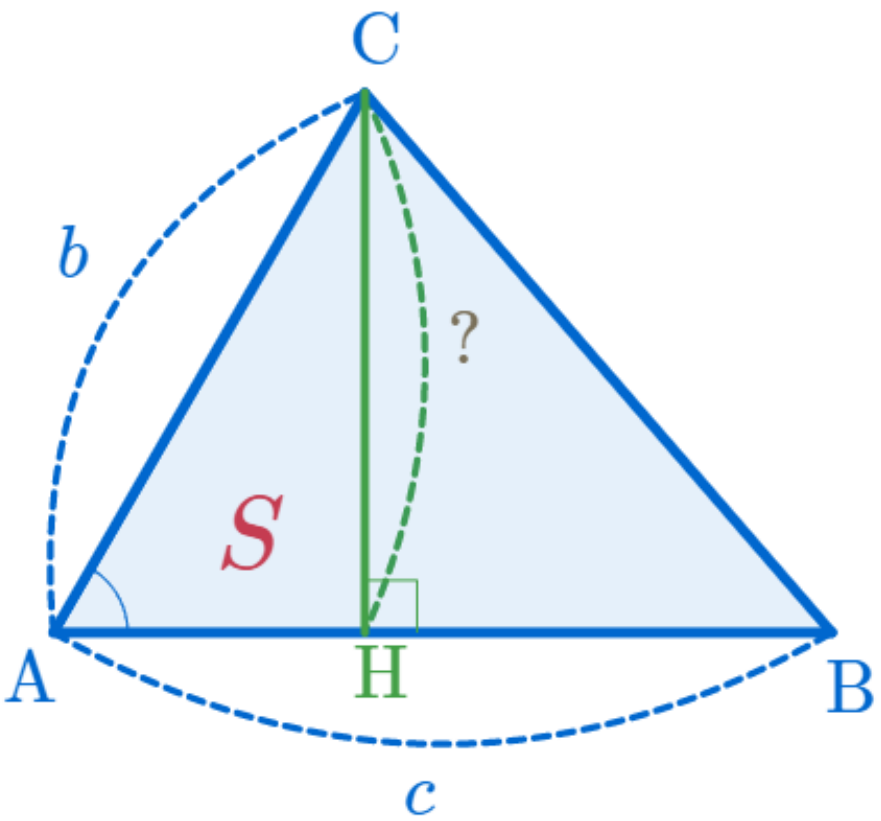


$$\sin A = \frac{\overline{\mathrm{CH}}}{b}$$



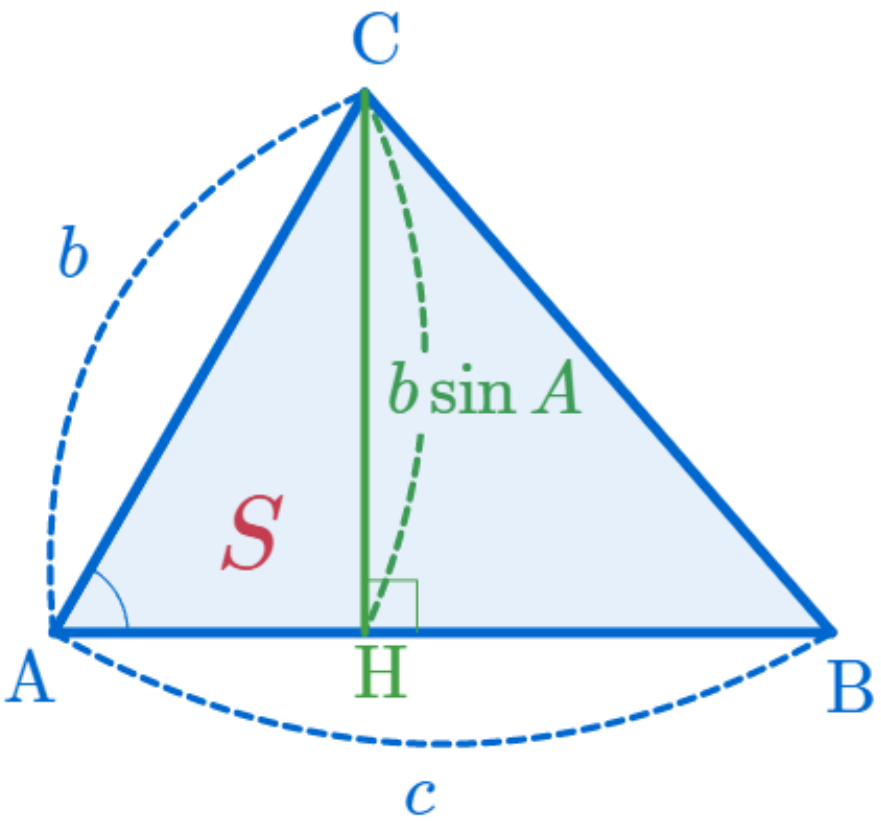
$$\sin A = \frac{\overline{CH}}{b}$$

$$\therefore \overline{CH}$$



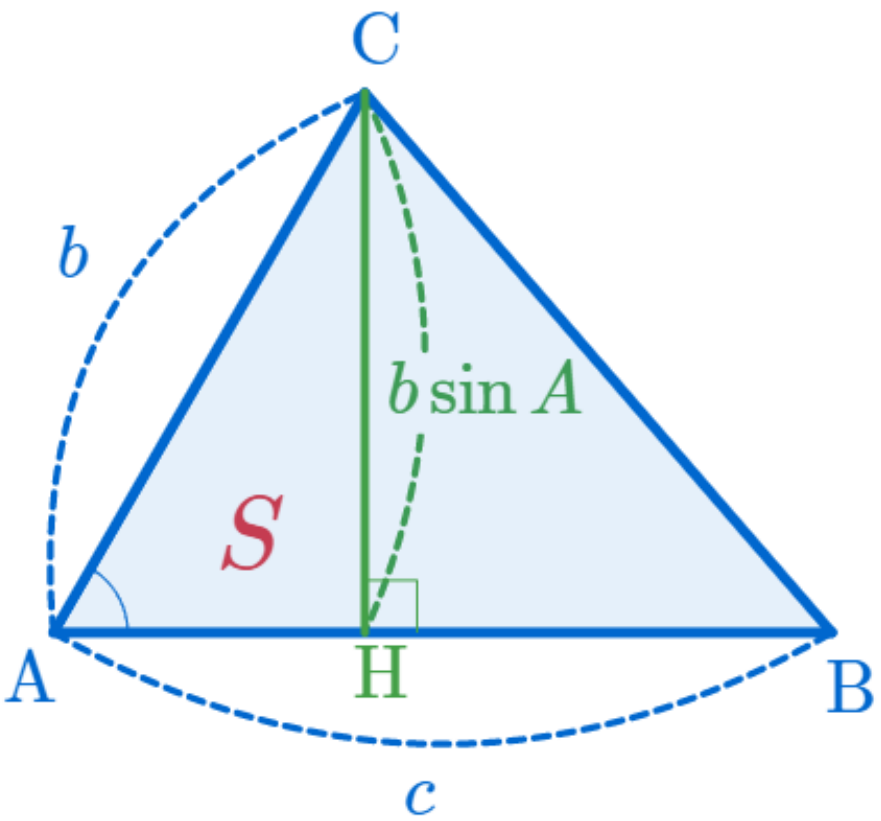
$$\sin A = \frac{\overline{\mathrm{CH}}}{b}$$

$$\therefore \overline{\mathrm{CH}} = b \sin A$$



$$\sin A = \frac{\overline{\mathrm{CH}}}{b}$$

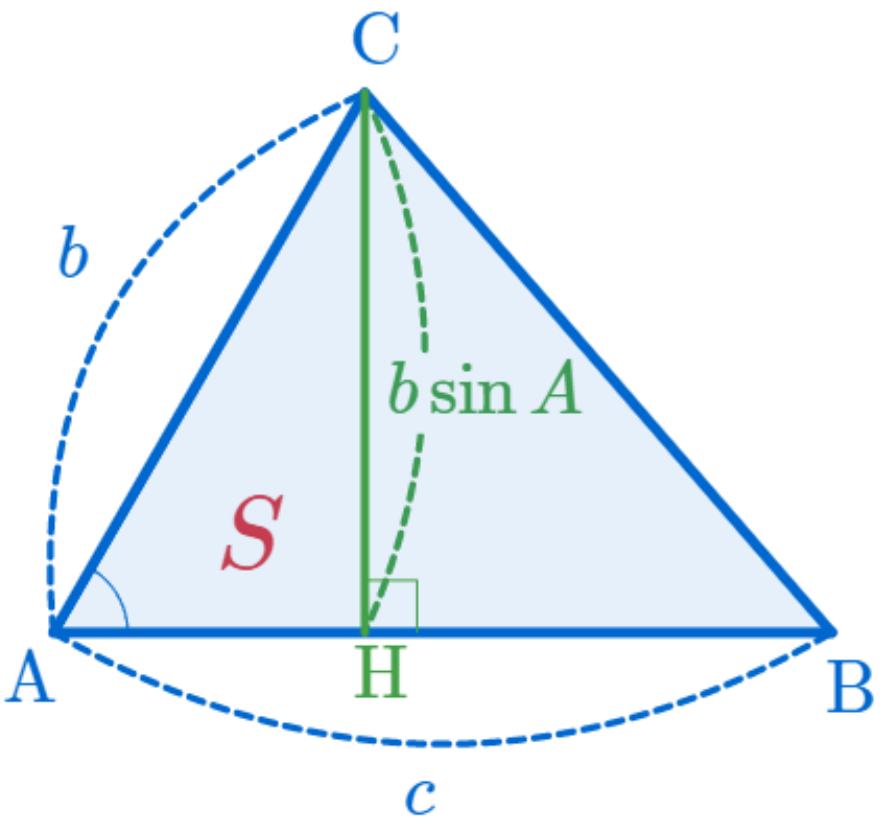
$$\therefore \overline{\mathrm{CH}} = b \sin A$$



$$\sin A = \frac{\overline{CH}}{b}$$

$$\therefore \overline{CH} = b \sin A$$

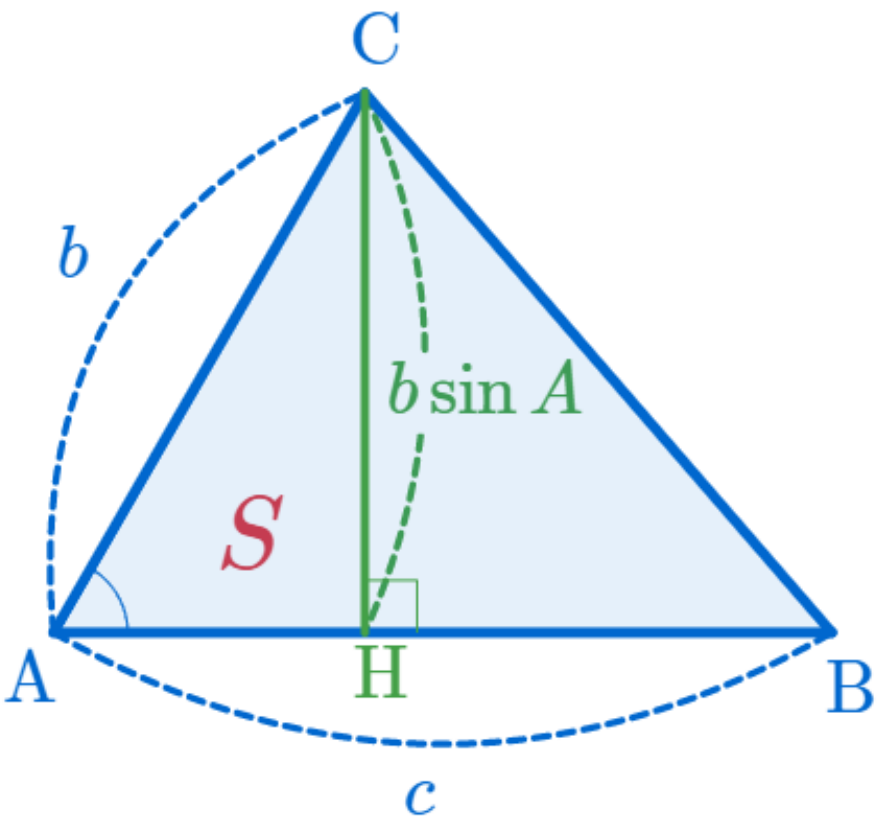
S



$$\sin A = \frac{\overline{CH}}{b}$$

$$\therefore \overline{CH} = b \sin A$$

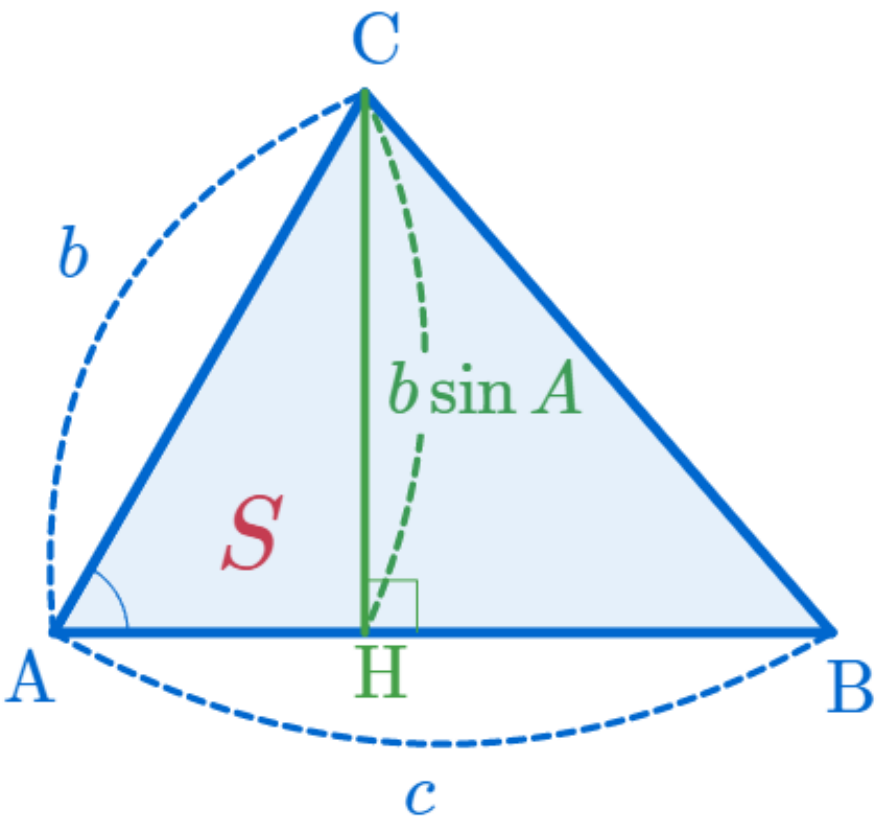
$$S = \frac{1}{2} \times c \times b \sin A$$



$$\sin A = \frac{\overline{CH}}{b}$$

$$\therefore \overline{CH} = b \sin A$$

$$S = \frac{1}{2} \times c \times b \sin A = \frac{1}{2} c b \sin A$$



$$\sin A = \frac{\overline{CH}}{b}$$

$$\therefore \overline{CH} = b \sin A$$

$$S = \frac{1}{2} \times c \times b \sin A = \frac{1}{2} c\, b \sin A$$

$$\therefore S = \frac{1}{2} b\, c \sin A$$

Github:
https://min7014.github.io/math20200128001.html

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