

Simplify the trigonometric function

$$\cos 65^\circ \cos 35^\circ - \sin 25^\circ \sin 55^\circ$$

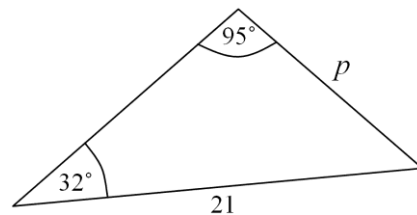
Simplify the trigonometric function

$$\sin 135^\circ \cos 45^\circ - \cos 135^\circ \sin 45^\circ$$

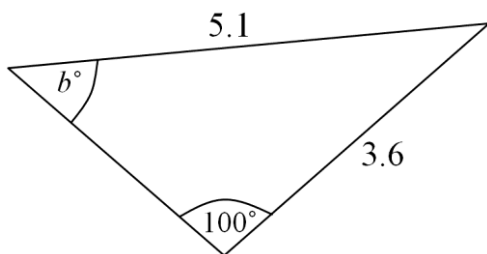
*If $\tan \theta = \frac{3}{4}$, find the value
of $\tan 2\theta$.*

*If $\tan A = \frac{2}{3}$ and $\tan B = \frac{4}{5}$,
find the value of $\tan (A - B)$*

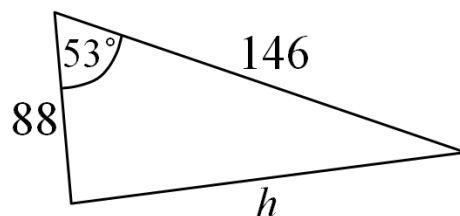
*Given that $\cos \theta = \frac{4}{3}$,
find $\tan 2\theta$ and $\sin 2\theta$.*



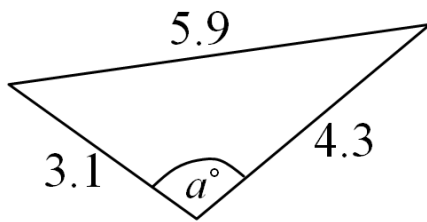
Find the missing side in the diagram.



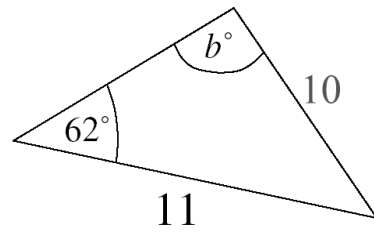
Find the missing angle in the diagram.



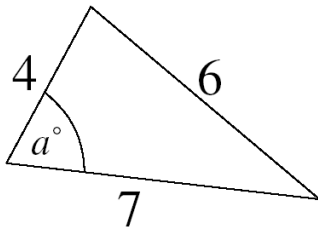
Find the missing side in the diagram.



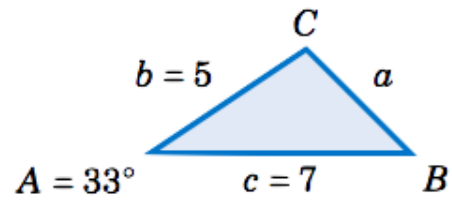
Find the missing angle in the diagram.



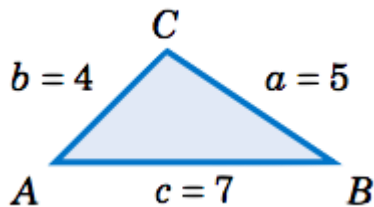
Find the missing side and angle in the diagram



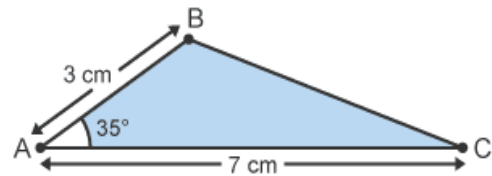
Find the smallest angle in this triangle.



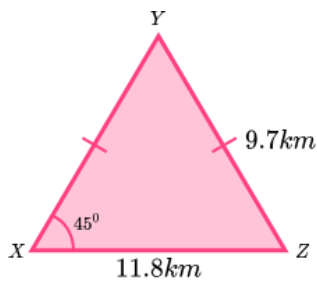
Find the area of triangle ABC.



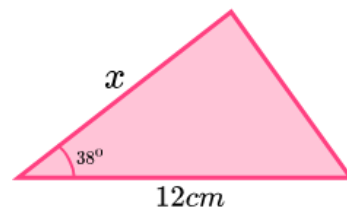
Find the area of triangle ABC.



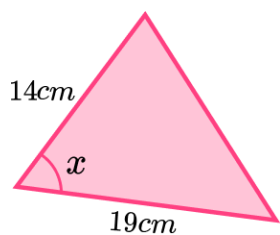
Find the area of triangle ABC.



Find the area of triangle XYZ.



The area of this triangle is 30cm^2 . Find the value of x .



***The area of this triangle is 42cm^2 .
Find the angle x .***

***Simplify the expression to one term.
 $1 - 2 \sin 45^\circ \cos 45^\circ$***

***Simplify the expression to one term.
 $2 \sin 16^\circ \cos 16^\circ$***

***Simplify the expression to one term.
 $\cos 81^\circ \sin 11^\circ + \sin 81^\circ \cos 11^\circ$***