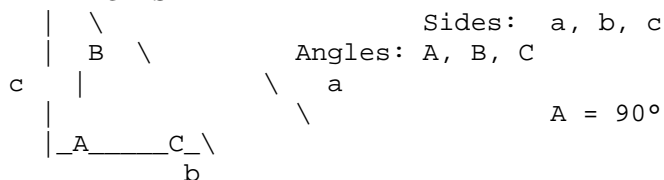


Trigonometry Formulas  
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## RIGHT TRIANGLES



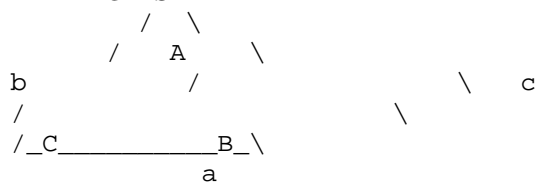
## SIDES FORMULAS

find a (b sq + c sq)sq  
 find a c x cosec. C c / sin C  
 find a c x secant B c / cosine B  
 find a b x cosec B b / sine B  
 find a b x secant C b / cosine C  
 find b (a sq - c sq)sq  
 find b a x sine B a / cosec B  
 find b a x cosine C a / secant C  
 find b c x tan B c / cotan B  
 find b c x cotan C c / tan C  
 find c (a sq - b sq)sq  
 find c a x cosine B a / secant B  
 find c a x sine C a / cosec C  
 find c b x cotan B b / tan B  
 find c b x tan C b / cotan C

## ANGLES FORMULAS

find C c/a = sine C 90°-B  
 find C b/a = cosine C 90°-B  
 find C c/b = tan C 90°-B  
 find C b/c = cotan C 90°-B  
 find C a/b = secant C 90°-B  
 find C a/c = cosec C 90°-B  
 find B b/a = sine B 90°-C  
 find B c/a = cosine B 90°-C  
 find B b/c = tan B 90°-C  
 find B c/b = cotan B 90°-C  
 find B a/c = secant B 90°-C  
 find B a/b = cosec B 90°-C

## OBLIQUE TRIANGLES



TO FIND	KNOWN	SOLUTION
C	A-B	180°-(A+B)
b	a-B-A	(a x sin B) / sin A
c	a-A-C	(a x sin C) / sin A
tan A	a-C-b	(a x sin C) / (b-(a x cos C))
B	A-C	180°-(A+C)
sin B	b-A-a	(b x sin A) / a
A	B-C	180°-(B + C)
cos A	a-b-c	(b sq + c sq + a sq) / (2bc)
sin C	c-A-a	(c x sin A) / a
cot B	a-C-b	((a x csc C) / b) - cot C
c	b-C-B	b x sin C x csc B