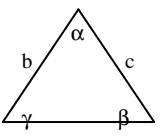
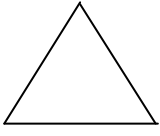
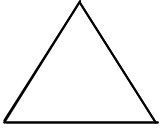
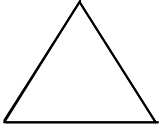
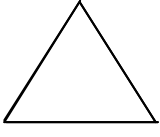


# TRIGONOMETRIJSKI OBRAZAC BR. 14

Računanje trokuta preko dvije stranice i kuta između njih										
Skica	Stranice i kutevi su preuzeti:		$\frac{1}{2}(\beta + \gamma) = \frac{1}{2}\pi - \frac{1}{2}\alpha$ $\operatorname{tg} \frac{1}{2}(\beta - \gamma) = \frac{b - c}{b + c} \operatorname{ctg} \frac{1}{2}\alpha$	$\beta = \frac{1}{2}(\beta + \gamma) + \frac{1}{2}(\beta - \gamma)$ $\gamma = \frac{1}{2}(\beta + \gamma) - \frac{1}{2}(\beta - \gamma)$	$a = b \cdot \frac{\sin \alpha}{\sin \beta}$ $= c \cdot \frac{\sin \alpha}{\sin \gamma}$					
		a	°	'	"			b ...		
		$\frac{1}{2}\alpha$						sin $\beta$ ...		
		$\frac{1}{2}(\beta + \gamma)$	+				b-c	-	sin $\alpha$ ...	
		$\frac{1}{2}(\beta - \gamma)$	-				b+c	+	sin $\gamma$ ...	
		$\alpha$							c ...	
		$\beta$								
$\gamma$					$\operatorname{ctg} \frac{1}{2}\alpha$ ...					
$\pi$					$\operatorname{tg} \frac{1}{2}(\beta - \gamma)$ ...		a			
		a	°	'	"			b ...		
		$\frac{1}{2}\alpha$						sin $\beta$ ...		
		$\frac{1}{2}(\beta + \gamma)$	+				b-c	-	sin $\alpha$ ...	
		$\frac{1}{2}(\beta - \gamma)$	-				b+c	+	sin $\gamma$ ...	
		$\alpha$							c ...	
		$\beta$								
$\gamma$					$\operatorname{ctg} \frac{1}{2}\alpha$ ...					
$\pi$					$\operatorname{tg} \frac{1}{2}(\beta - \gamma)$ ...		a			
		a	°	'	"			b ...		
		$\frac{1}{2}\alpha$						sin $\beta$ ...		
		$\frac{1}{2}(\beta + \gamma)$	+				b-c	-	sin $\alpha$ ...	
		$\frac{1}{2}(\beta - \gamma)$	-				b+c	+	sin $\gamma$ ...	
		$\alpha$							c ...	
		$\beta$								
$\gamma$					$\operatorname{ctg} \frac{1}{2}\alpha$ ...					
$\pi$					$\operatorname{tg} \frac{1}{2}(\beta - \gamma)$ ...		a			
		a	°	'	"			b ...		
		$\frac{1}{2}\alpha$						sin $\beta$ ...		
		$\frac{1}{2}(\beta + \gamma)$	+				b-c	-	sin $\alpha$ ...	
		$\frac{1}{2}(\beta - \gamma)$	-				b+c	+	sin $\gamma$ ...	
		$\alpha$							c ...	
		$\beta$								
$\gamma$					$\operatorname{ctg} \frac{1}{2}\alpha$ ...					
$\pi$					$\operatorname{tg} \frac{1}{2}(\beta - \gamma)$ ...		a			