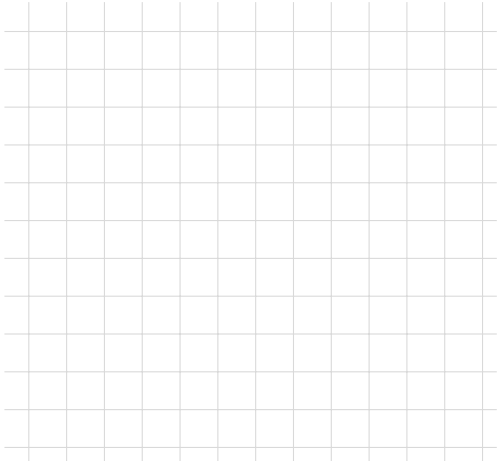



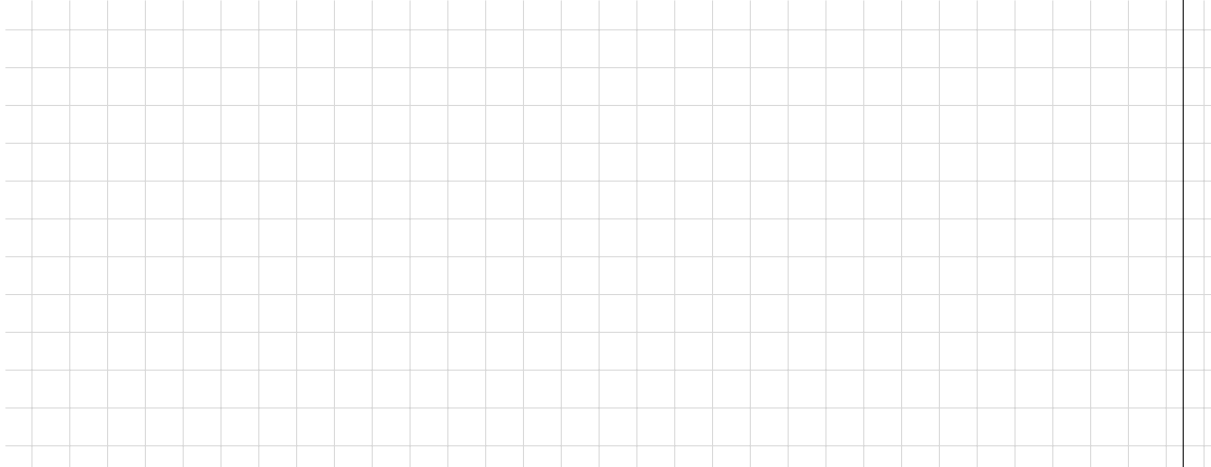
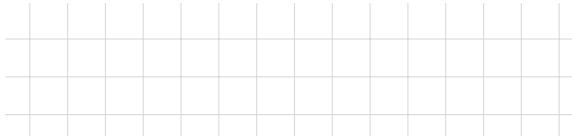
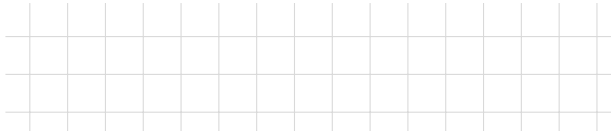





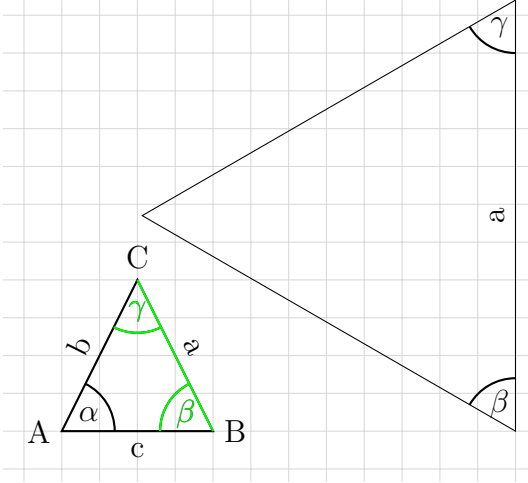
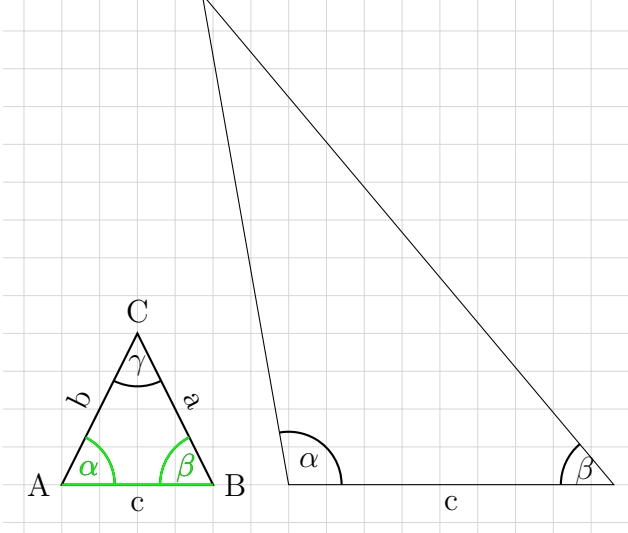
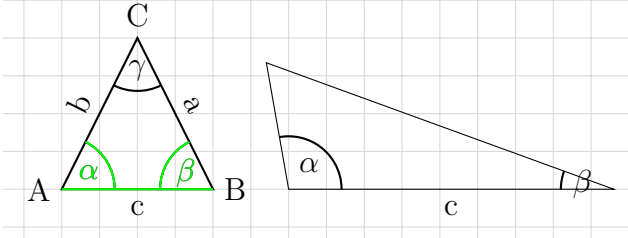
WSW und SWS

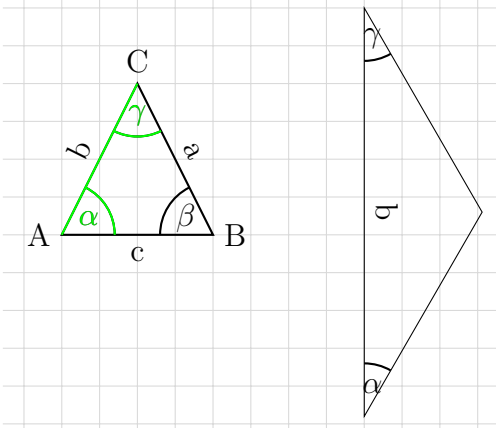
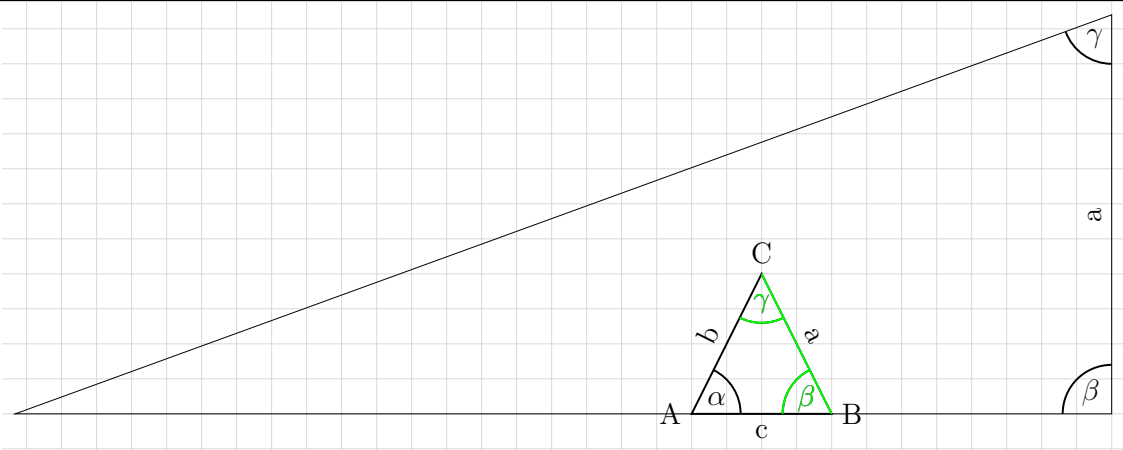
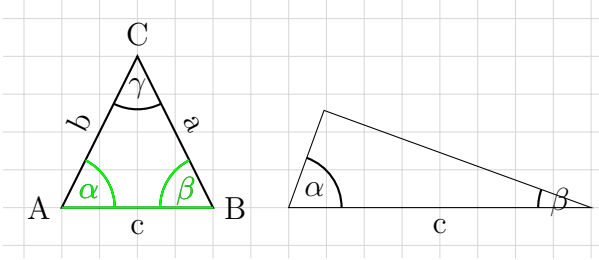
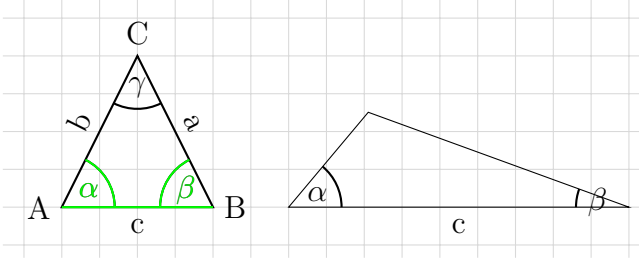
a)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> $\beta = 60^\circ$ $a = 5,7 \text{ cm}$ $\gamma = 60^\circ$ 
b)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> $\alpha = 100^\circ$ $c = 4,3 \text{ cm}$ $\beta = 50^\circ$ 
c)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> $\alpha = 100^\circ$ $c = 4,3 \text{ cm}$ $\beta = 20^\circ$ 

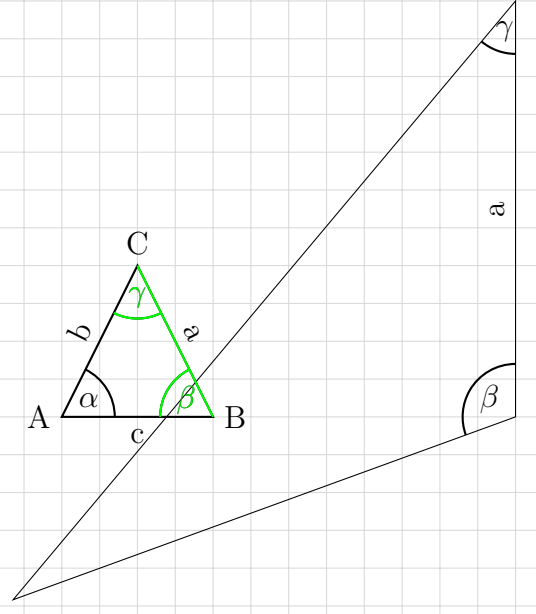
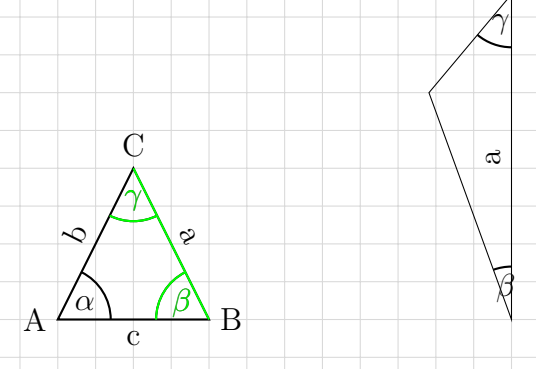
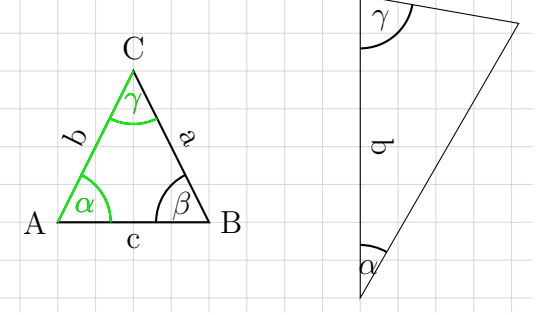
d)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 30^\circ$</p> <p>$b = 5,4 \text{ cm}$</p> <p>$\gamma = 30^\circ$</p> 
e)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\beta = 90^\circ$</p> <p>$a = 5,7 \text{ cm}$</p> <p>$\gamma = 70^\circ$</p> 
f)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 70^\circ$</p> <p>$c = 4 \text{ cm}$</p> <p>$\beta = 20^\circ$</p> 
g)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 50^\circ$</p> <p>$c = 4,5 \text{ cm}$</p> <p>$\beta = 20^\circ$</p> 

h)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\beta = 110^\circ$</p> <p>$a = 5,5 \text{ cm}$</p> <p>$\gamma = 40^\circ$</p> 
i)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\beta = 20^\circ$</p> <p>$a = 4,3 \text{ cm}$</p> <p>$\gamma = 40^\circ$</p> 
j)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 80^\circ$</p> <p>$b = 4 \text{ cm}$</p> <p>$\gamma = 30^\circ$</p> 

Lösungen WSW und SWS

a)	 <p>Diagram showing a triangle ABC with vertices A, B, and C. The interior angles are labeled α at A, β at B, and γ at C. The sides are labeled a (opposite A), b (opposite B), and c (opposite C). A vertical line is drawn to the right of the triangle. A second triangle is constructed as a reflection of ABC across this vertical line. The reflected triangle has vertices A', B', and C', with interior angles α, β, and γ respectively. The side opposite A' is labeled a.</p>
b)	 <p>Diagram showing a triangle ABC with vertices A, B, and C. The interior angles are labeled α at A, β at B, and γ at C. The sides are labeled a (opposite A), b (opposite B), and c (opposite C). A horizontal line is drawn below the triangle. A second triangle is constructed as a reflection of ABC across this horizontal line. The reflected triangle has vertices A', B', and C', with interior angles α, β, and γ respectively. The side opposite A' is labeled a.</p>
c)	 <p>Diagram showing a triangle ABC with vertices A, B, and C. The interior angles are labeled α at A, β at B, and γ at C. The sides are labeled a (opposite A), b (opposite B), and c (opposite C). A horizontal line is drawn below the triangle. A second triangle is constructed as a reflection of ABC across this horizontal line. The reflected triangle has vertices A', B', and C', with interior angles α, β, and γ respectively. The side opposite A' is labeled a.</p>

d)	
e)	
f)	
g)	

h)	 <p>Diagram for problem h) shows a triangle ABC with interior angles α, β, and γ at vertices A, B, and C respectively. The sides opposite these angles are labeled a, b, and c. A larger triangle is constructed to the right, sharing the side a and having an angle β at the bottom vertex. The top vertex of this larger triangle is connected to the top vertex of triangle ABC.</p>
i)	 <p>Diagram for problem i) shows triangle ABC with angles α, β, γ and sides a, b, c. To the right, a triangle is shown with side a and angle β at the bottom vertex. The top vertex of this triangle is connected to the top vertex of triangle ABC.</p>
j)	 <p>Diagram for problem j) shows triangle ABC with angles α, β, γ and sides a, b, c. To the right, a triangle is shown with side q and angle γ at the top vertex. The bottom vertex of this triangle is connected to the bottom vertex of triangle ABC.</p>