



WSW und SWS

a)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\beta = 50^\circ$ $a = 5,9 \text{ cm}$ $\gamma = 20^\circ$</p> 
b)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 70^\circ$ $b = 4,1 \text{ cm}$ $\gamma = 20^\circ$</p> 

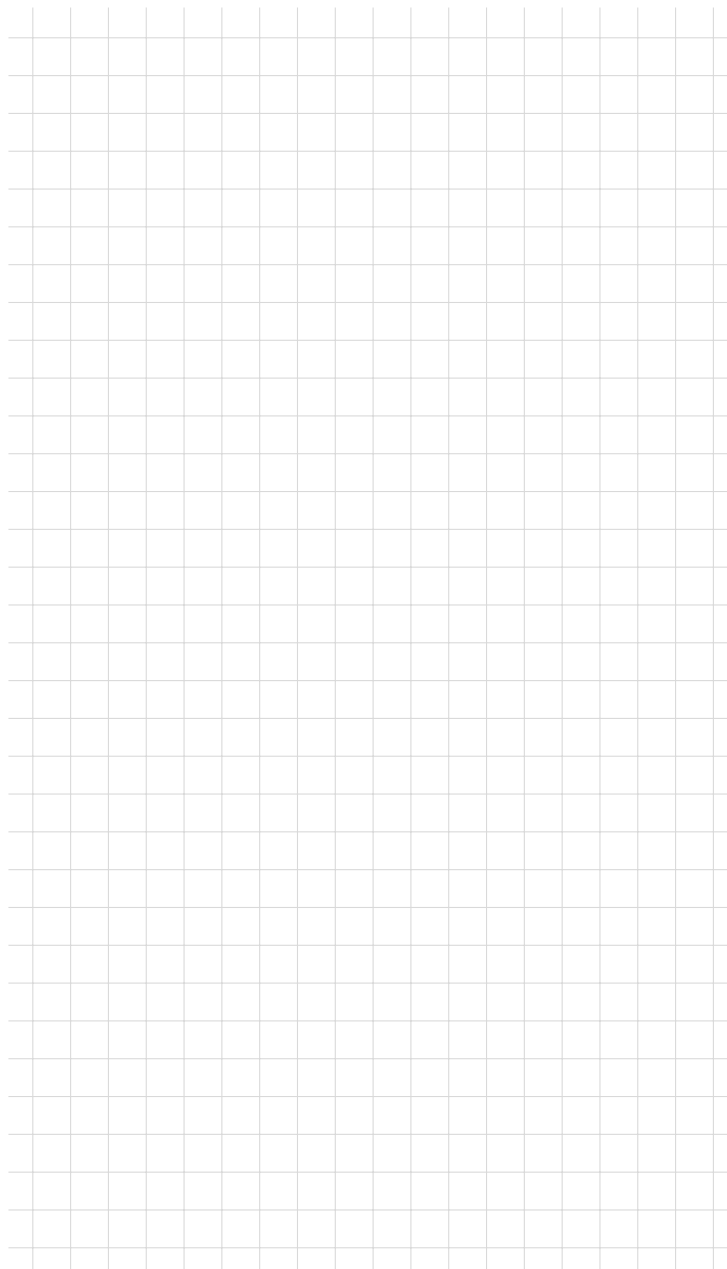
Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:



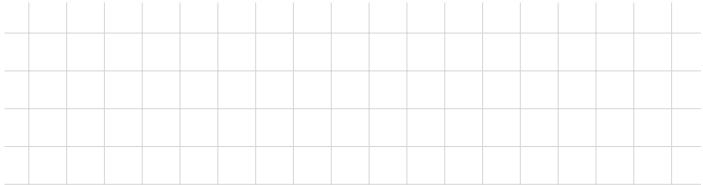

$$\alpha = 70^\circ$$

$$c = 5,9 \text{ cm}$$

$$\beta = 90^\circ$$

c)



d)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 50^\circ$</p> <p>$b = 4,7 \text{ cm}$</p> <p>$\gamma = 90^\circ$</p> 
e)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 20^\circ$</p> <p>$c = 5,6 \text{ cm}$</p> <p>$\beta = 90^\circ$</p> 
f)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 100^\circ$</p> <p>$c = 5,7 \text{ cm}$</p> <p>$\beta = 20^\circ$</p> 
g)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> <p>$\alpha = 20^\circ$</p> <p>$c = 4 \text{ cm}$</p> <p>$\beta = 80^\circ$</p> 

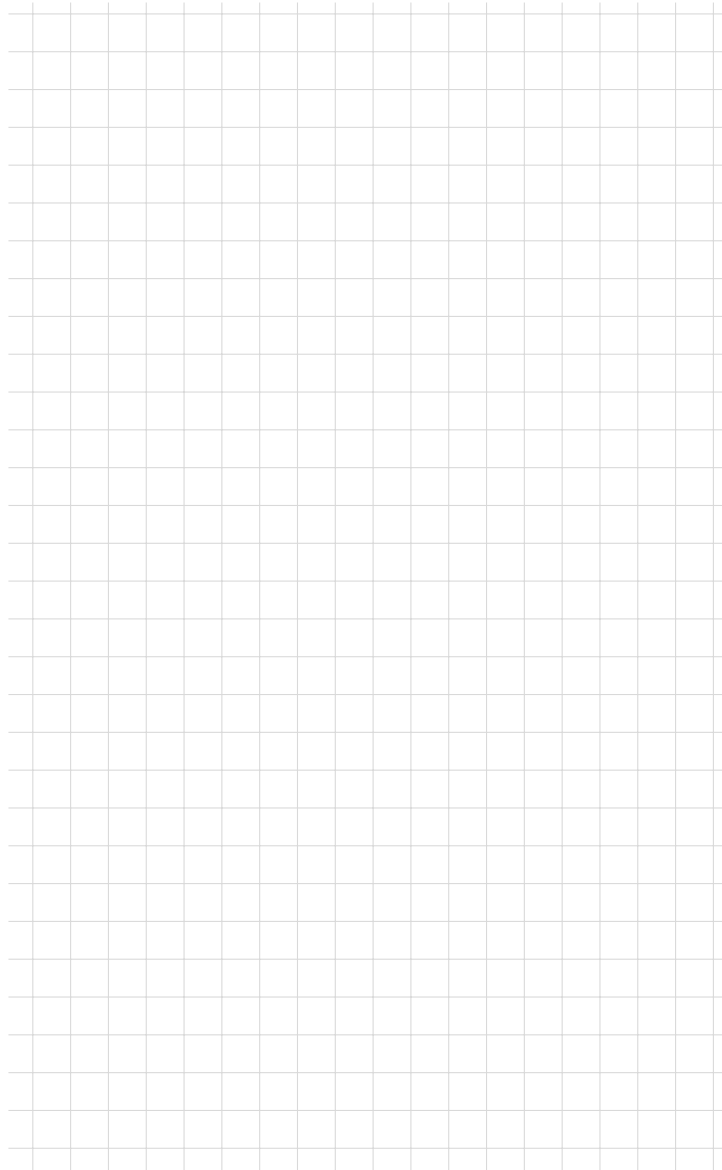
Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:

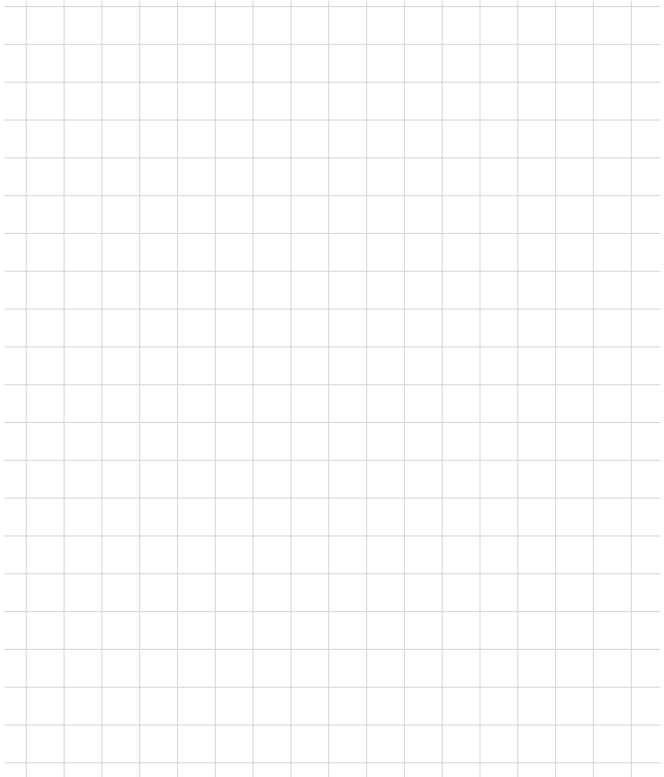

$$\alpha = 100^\circ$$

$$c = 6 \text{ cm}$$

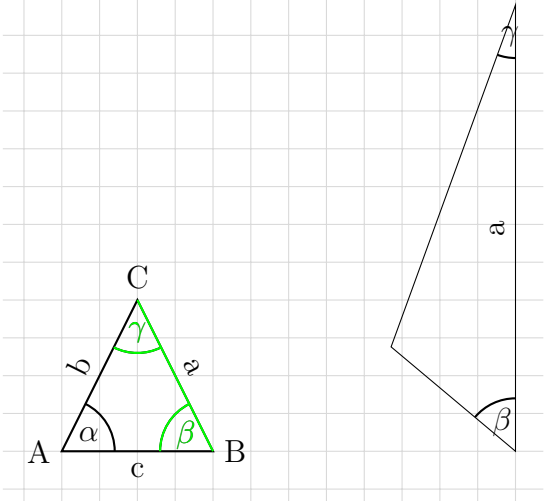
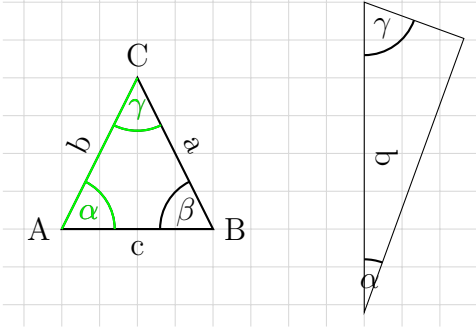
$$\beta = 60^\circ$$

h)

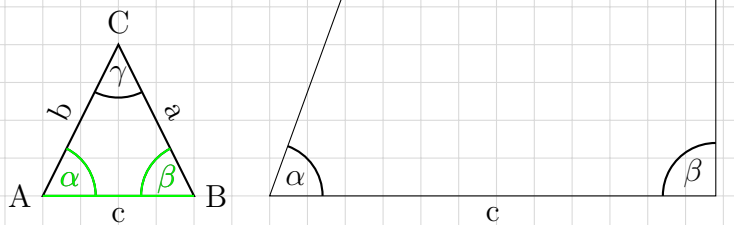


i)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> $\alpha = 110^\circ$ $c = 4,7 \text{ cm}$ $\beta = 50^\circ$ 
j)	<p>Zeichne die Planfigure und Konstruiere das Dreieck für folgende Werten:</p> $\alpha = 110^\circ$ $c = 5,4 \text{ cm}$ $\beta = 30^\circ$ 

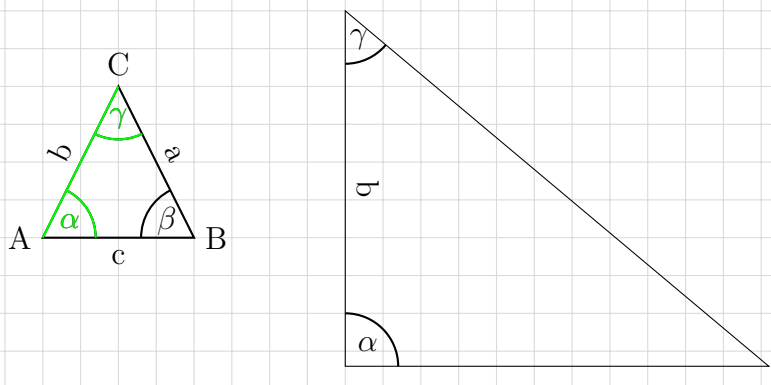
Lösungen WSW und SWS

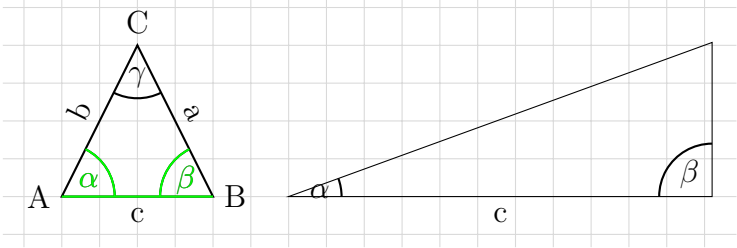
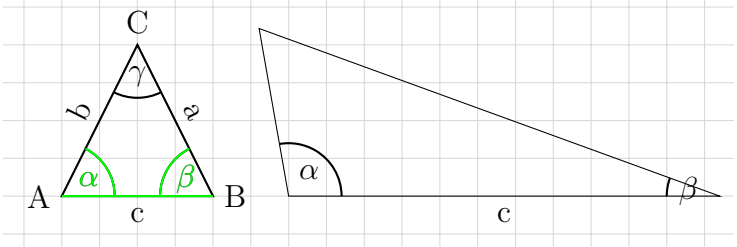
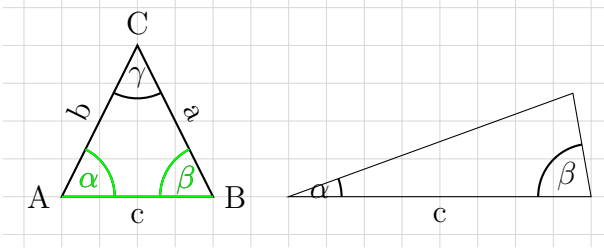
a)	 <p>Diagram for part a) shows a triangle ABC on a grid. The vertices are labeled A, B, and C. The sides are labeled a, b, and c. The angles are labeled α, β, and γ. The triangle is oriented with C at the top, A at the bottom left, and B at the bottom right. The side a is opposite A, b is opposite B, and c is opposite C. The angles α, β, and γ are marked at vertices A, B, and C respectively. To the right of triangle ABC is a right-angled triangle with a vertical side labeled a and an angle β at the bottom vertex. The hypotenuse of this right-angled triangle is parallel to the side AC of triangle ABC.</p>
b)	 <p>Diagram for part b) shows a triangle ABC on a grid. The vertices are labeled A, B, and C. The sides are labeled a, b, and c. The angles are labeled α, β, and γ. The triangle is oriented with C at the top, A at the bottom left, and B at the bottom right. The side a is opposite A, b is opposite B, and c is opposite C. The angles α, β, and γ are marked at vertices A, B, and C respectively. To the right of triangle ABC is a right-angled triangle with a vertical side labeled a and an angle γ at the top vertex. The hypotenuse of this right-angled triangle is parallel to the side BC of triangle ABC.</p>

c)

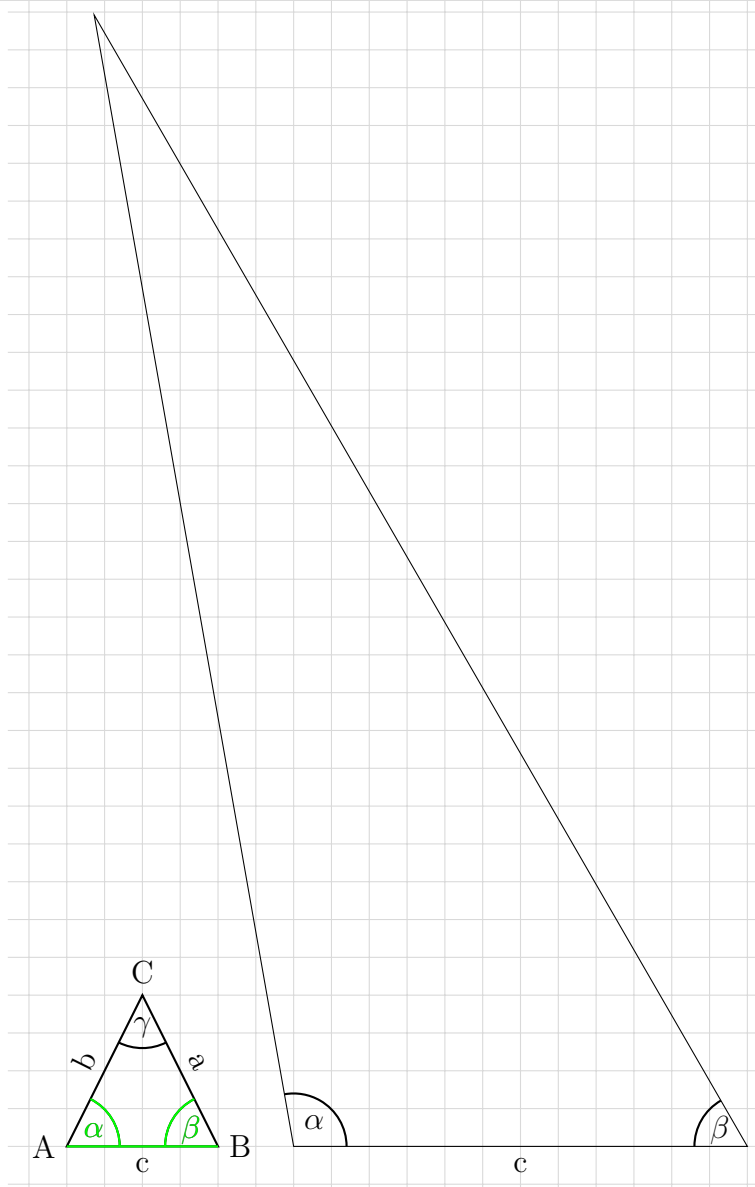


d)

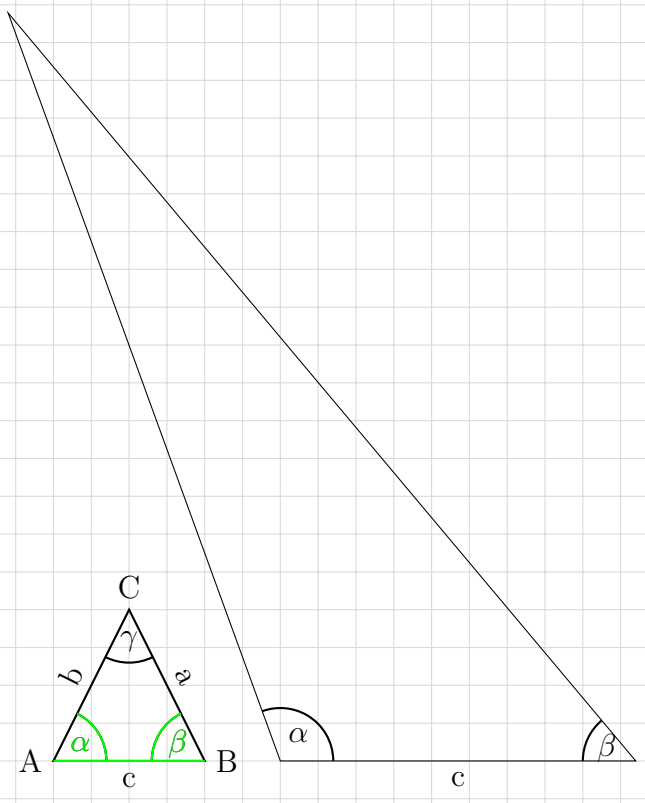


e)	 <p>Diagram e) shows a triangle ABC on the left with vertices A, B, and C. The interior angles at A, B, and C are labeled α, β, and γ respectively, with α and β highlighted in green. The sides opposite these angles are labeled a, b, and c. To the right is a right-angled triangle with a horizontal base of length c. The angle at the left vertex is α, and the angle at the right vertex is β. The right angle is at the top vertex.</p>
f)	 <p>Diagram f) shows the same triangle ABC on the left. To the right is an obtuse triangle with a horizontal base of length c. The angle at the left vertex is α, and the angle at the right vertex is β. The third angle is obtuse.</p>
g)	 <p>Diagram g) shows the same triangle ABC on the left. To the right is an acute triangle with a horizontal base of length c. The angle at the left vertex is α, and the angle at the right vertex is β. The third angle is acute.</p>

h)



i)



j)

