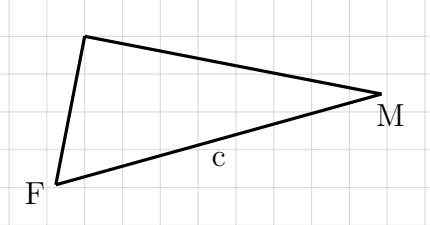
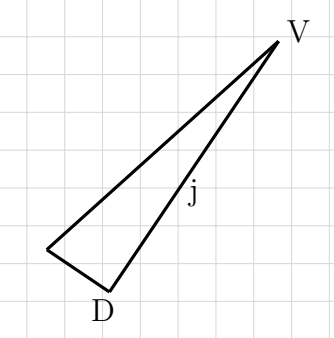
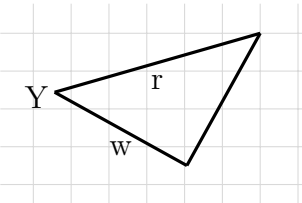
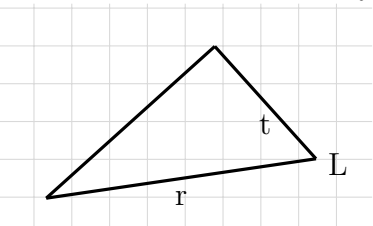
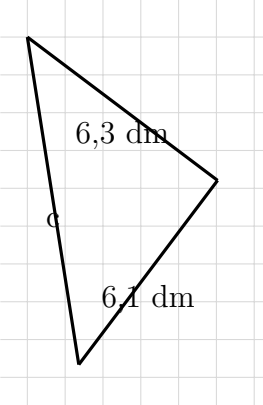
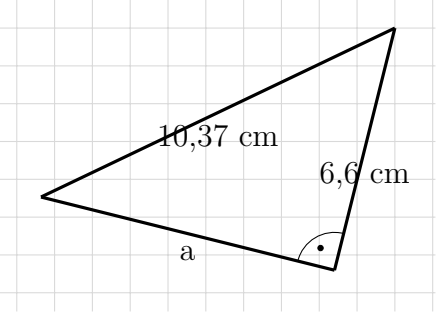
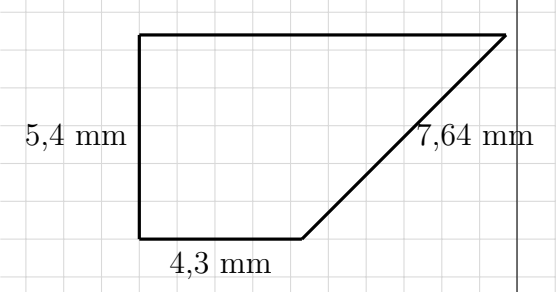
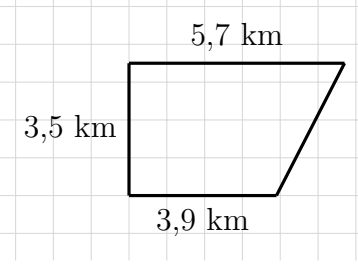
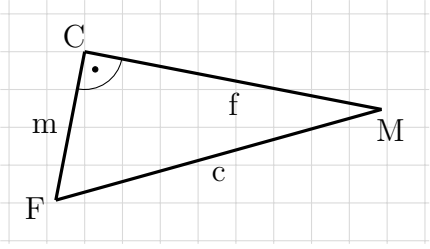
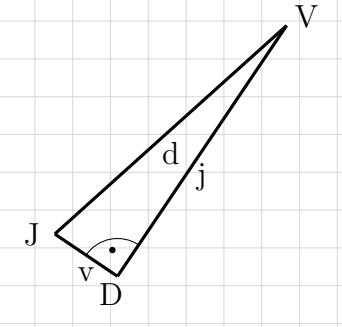
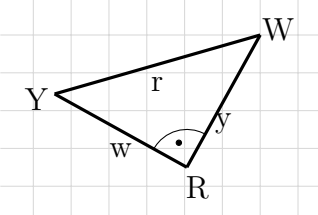
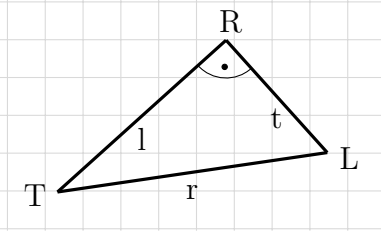
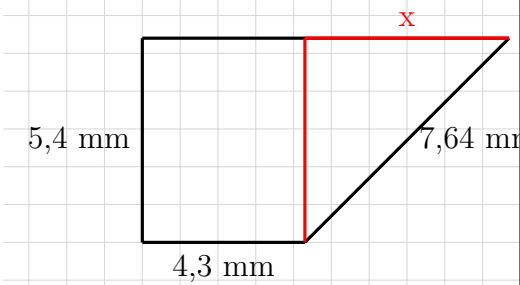
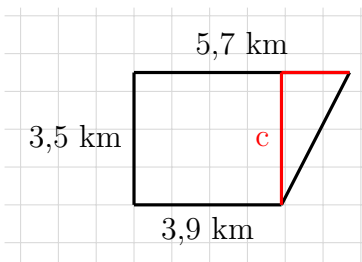


Pythagoras

a)	Formuliere den Pythagoras: 	b)	Formuliere den Pythagoras: 
c)	Formuliere den Pythagoras: 	d)	Formuliere den Pythagoras: 
e)	Berechne die fehlende Seite: 	f)	Berechne die fehlende Seite: 
g)	Berechne den Umfang: 	h)	Berechne den Umfang: 

Lösungen Pythagoras

a)	 $c^2 = m^2 + f^2$	b)	 $d^2 = j^2 + v^2$
c)	 $r^2 = y^2 + w^2$	d)	 $r^2 = l^2 + t^2$
e)	$c^2 = a^2 + b^2 \quad \sqrt{}$ $c = \sqrt{a^2 + b^2}$ $= \sqrt{6,1^2 + 6,3^2}$ $= \sqrt{37,21 + 39,69}$ $= \sqrt{76,9}$ $\underline{\underline{c = 8,77 \text{ dm}}}$	f)	$a^2 = c^2 - b^2 \quad \sqrt{}$ $a = \sqrt{c^2 - b^2}$ $= \sqrt{10,37^2 - 6,6^2}$ $= \sqrt{107,56 - 43,56}$ $= \sqrt{64}$ $\underline{\underline{a = 8 \text{ cm}}}$

	 <p>g)</p> $x^2 = \sqrt{b^2 - c^2}$ $x^2 = \sqrt{7,64^2 - 5,4^2}$ $x^2 = \sqrt{58,32 - 29,16}$ $x^2 = \sqrt{29,16}$ $x = 5,4 \text{ mm}$ $d = a + x$ $d = 4,3 + 5,4$ $d = 9,7$ $U = 4,3 + 7,64 + 5,4 + 9,7$ $\underline{\underline{U = 27,04 \text{ mm}}}$	
	 <p>h)</p> $b^2 = c^2 + (5,7 - 3,9)^2$ $b^2 = 3,5^2 + 1,8^2$ $b^2 = 12,25 + 3,24$ $b^2 = 15,49$ $b = 3,94 \text{ km}$ $U = 3,9 + 3,94 + 3,5 + 5,7$ $\underline{\underline{U = 17,04 \text{ km}}}$	