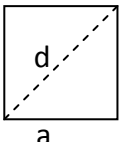
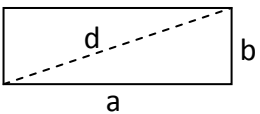
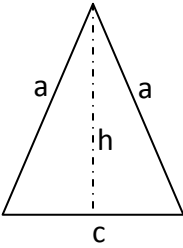
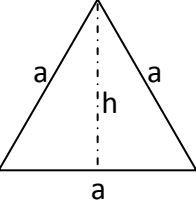
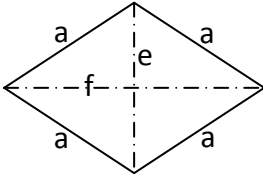
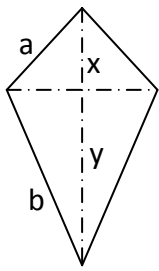
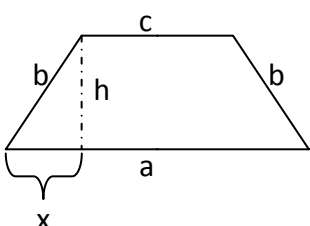


Anwendung des pythagoräischen Lehrsatzes bei ebenen Figuren

	<p>Quadrat:</p>	
	$d = s \cdot \sqrt{2}$	
	<p>Rechteck:</p>	
	$d = \sqrt{a^2 + b^2}$	
	<p>Gleichschenkeliges Dreieck:</p>	
	$a = \sqrt{h^2 + \left(\frac{c}{2}\right)^2}$	$A = \frac{c \cdot h}{2}$ $U = 2a + c$
	$h = \sqrt{a^2 - \left(\frac{c}{2}\right)^2}$	
	$\frac{c}{2} = \sqrt{a^2 - h^2}$	
	<p>Gleichseitiges Dreieck</p>	
	$h = \frac{a}{2} \cdot \sqrt{3}$	$A = \frac{a^2}{4} \cdot \sqrt{3}$ $U = 3a$
<p>Regelmäßiges Sechseck: $A = 6 \cdot \frac{a^2}{4} \cdot \sqrt{3}$</p>		
	<p>Raute</p>	
	$a = \sqrt{\left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2}$	$A = \frac{e \cdot f}{2}$ $U = 4a$
 <p>e ... senkrechte Diagonale f ... waagrechte Diagonale</p>	<p>Deltoid</p>	
	$a = \sqrt{\left(\frac{f}{2}\right)^2 + x^2}$	$A = \frac{e \cdot f}{2}$ $U = (a + b) \cdot 2$
	$b = \sqrt{\left(\frac{f}{2}\right)^2 + y^2}$	
	$e = x + y$	
	<p>gleichschenkeliges Trapez</p>	
	$x = (a - c) : 2$ $h = \sqrt{b^2 - x^2}$	$A = \frac{(a + c) \cdot h}{2}$ $U = a + 2b + c$