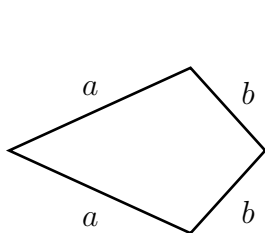
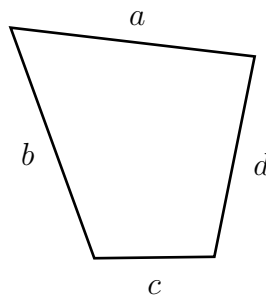


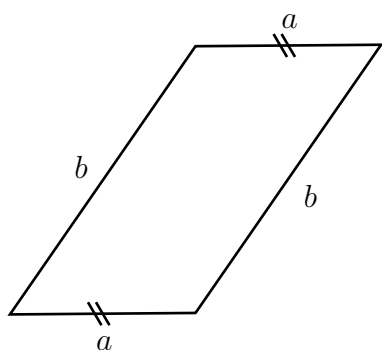
1. Beschreibe die Figuren so genau wie möglich mit den richtigen Fachausdrücken.



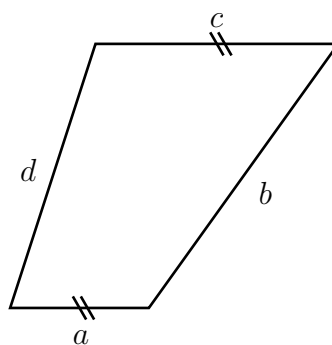
Drachenviereck (Deltoid)



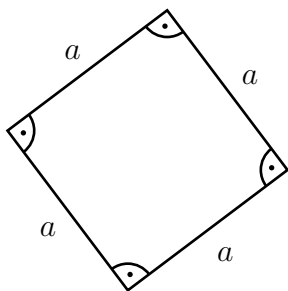
Trapezoid (allg. Viereck)



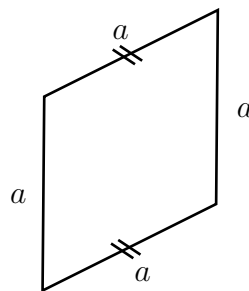
Rhomboid (Parallelogramm)



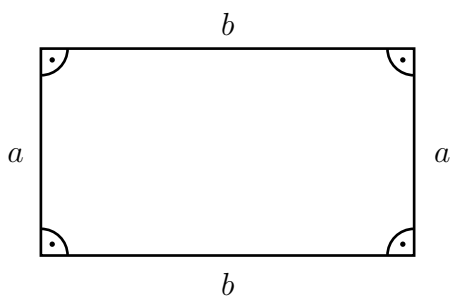
Trapez



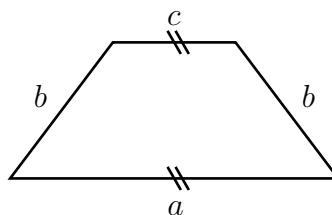
Quadrat



Rhombus (Raute)



Rechteck



gleichschenkliges Trapez

2. Rhomboid (Parallelogramm): $\alpha = \gamma$ und $\beta = \delta$

$$\beta = 180^\circ - 47^\circ = 133^\circ$$

$$\gamma = \alpha = 47^\circ$$

$$\delta = \beta = 133^\circ$$

3. Trapez: $\alpha + \delta = 180^\circ$, $\beta + \gamma = 180^\circ$

$$\delta = 180^\circ - 37^\circ = 143^\circ$$

$$\beta = 180^\circ - 112^\circ = 68^\circ$$

4. Gleichschenkliges Trapez:

$$\alpha = \beta = 69^\circ$$

$$\delta = 180^\circ - 69^\circ = 111^\circ$$

$$\gamma = \delta = 111^\circ$$

5. Drachenviereck: $\beta = \delta$

$$\alpha + \beta + \delta = 56^\circ + 104^\circ + 104^\circ = 264^\circ$$

$$\gamma = 360^\circ - 264^\circ = 96^\circ$$

6. Allgemeines Viereck: $\alpha + \beta + \gamma + \delta = 360^\circ$

$$\alpha + \gamma + \delta = 87^\circ + 38^\circ + 113^\circ = 238^\circ$$

$$\Rightarrow \gamma = 122^\circ$$