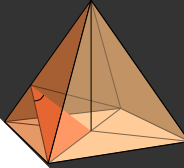
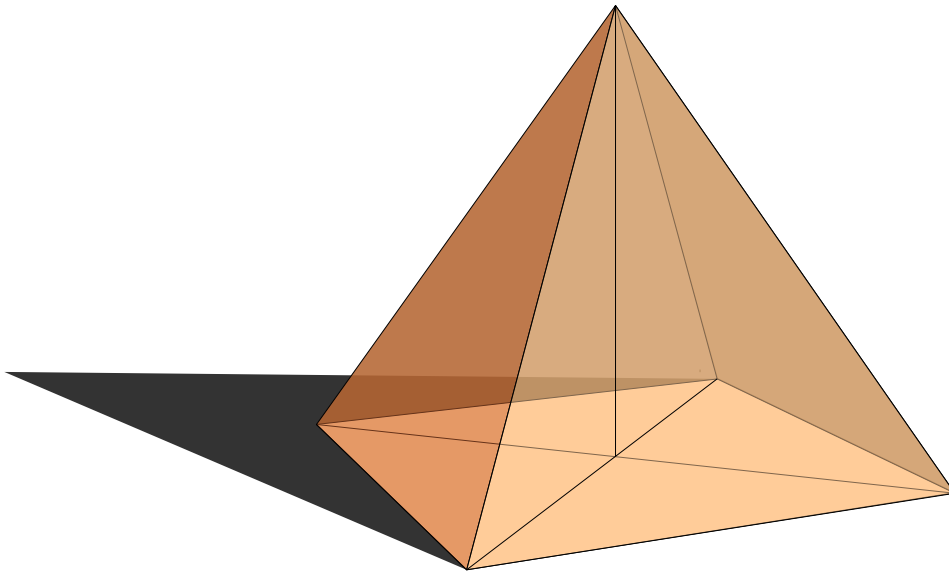
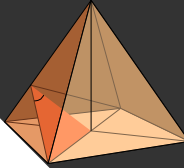


Gerade Pyramide mit quadratischer Grundfläche



Gezeichnet mit:
QCAD 2.0.5.0
Inkscape 0.48.0
OpenOffice.org 3.3.0 Draw



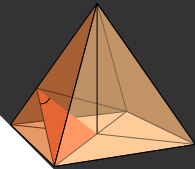
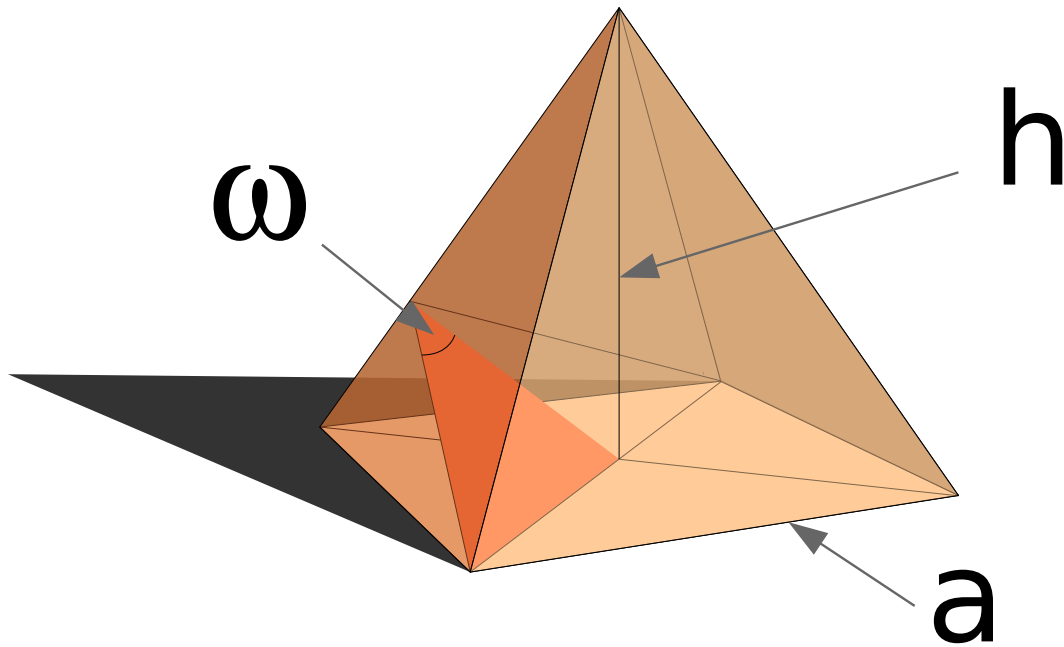
Gesucht wird der Winkel **Omega** an den Seiten der Pyramide!

ω

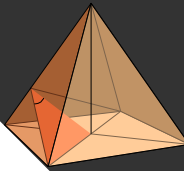
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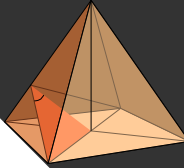
Zur zeichnerischen Ermittlung werden die **Höhe** der Pyramide und die **Kantenlänge** der Grundfläche benötigt.

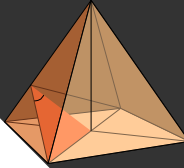
a

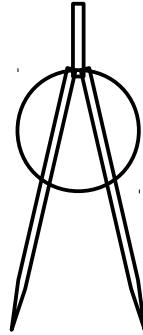
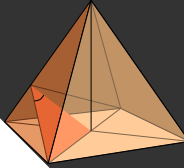


Zeichnen der Draufsicht

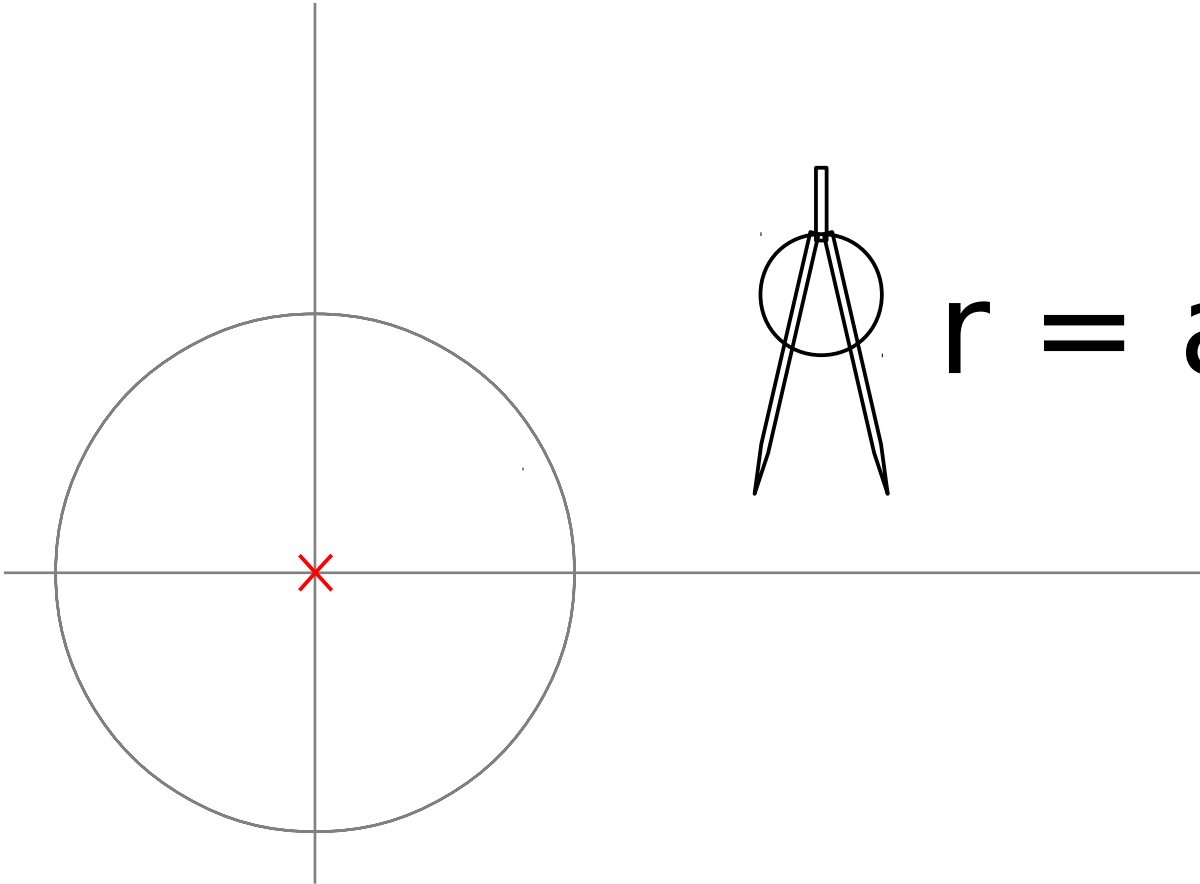


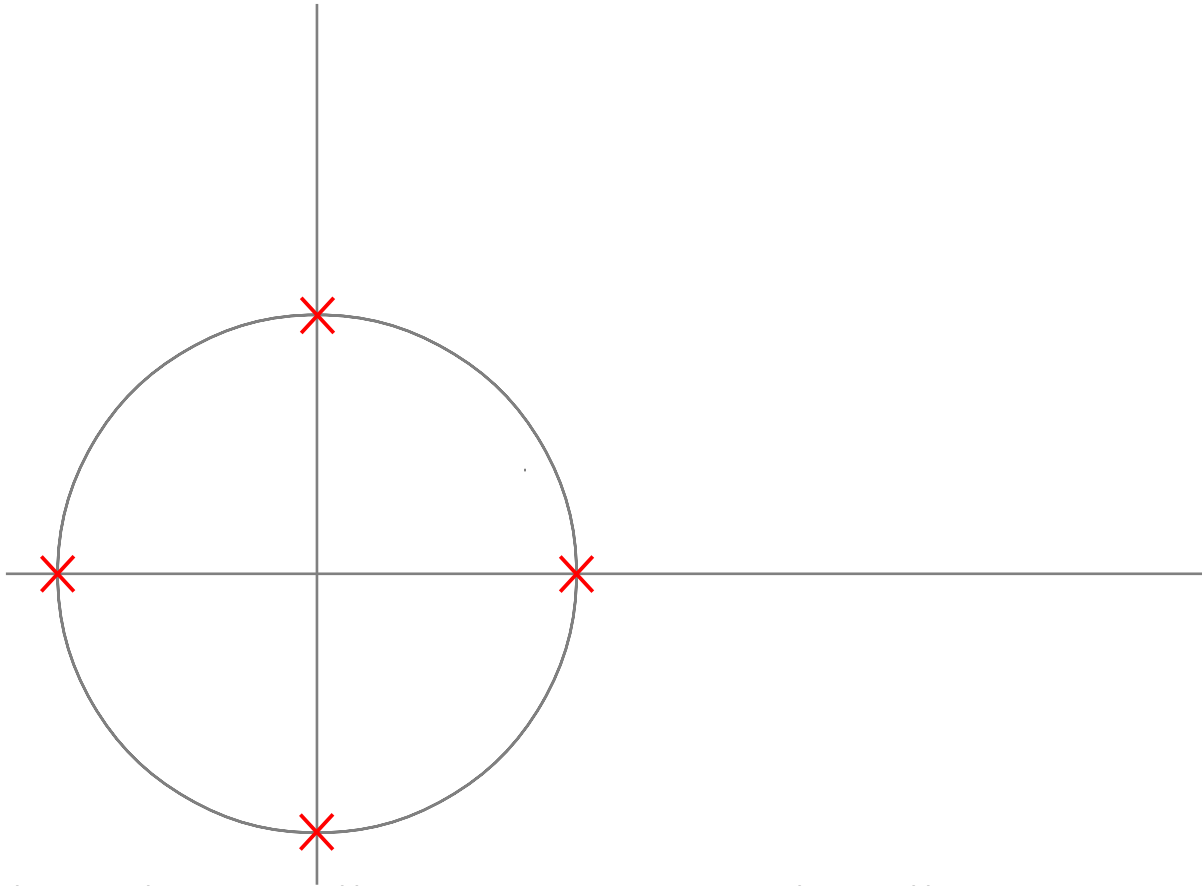
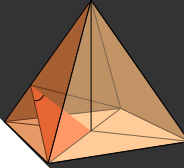


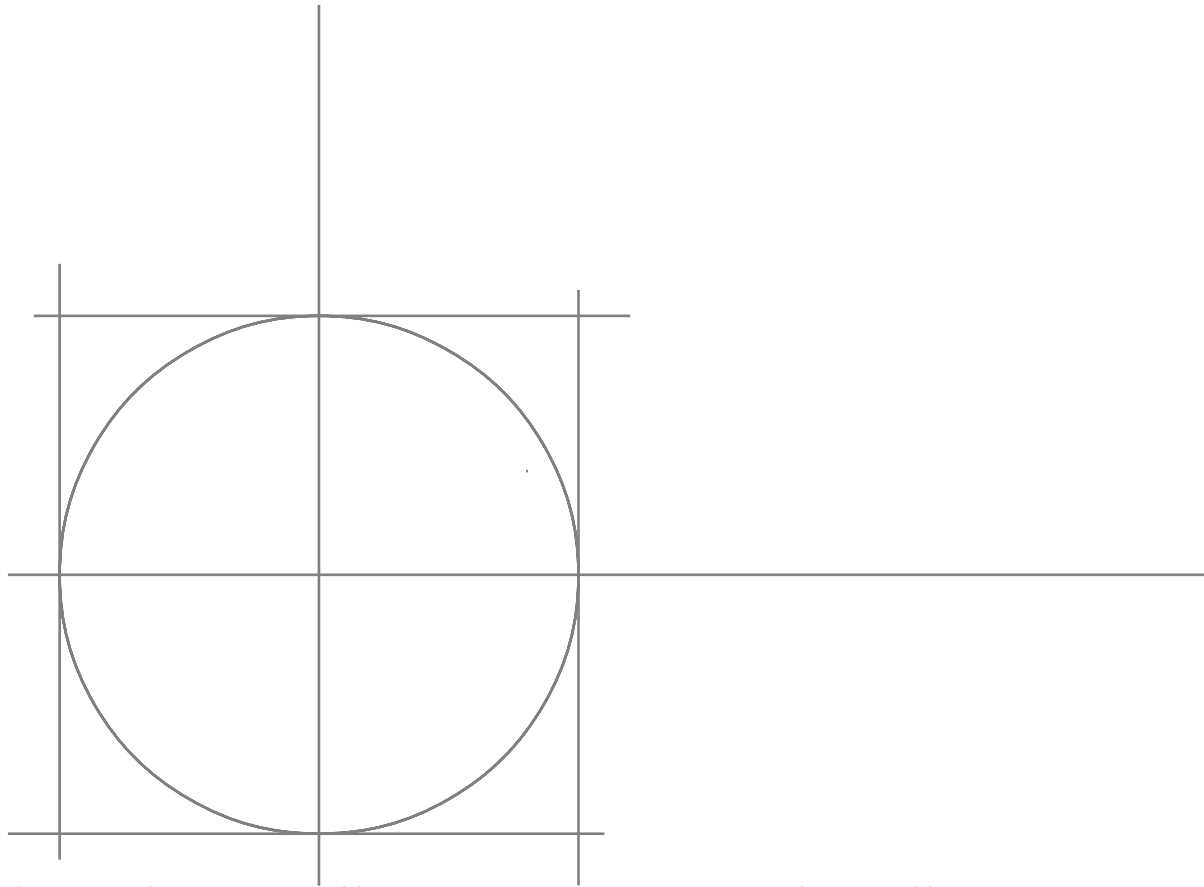
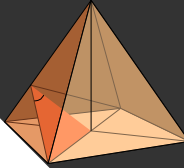


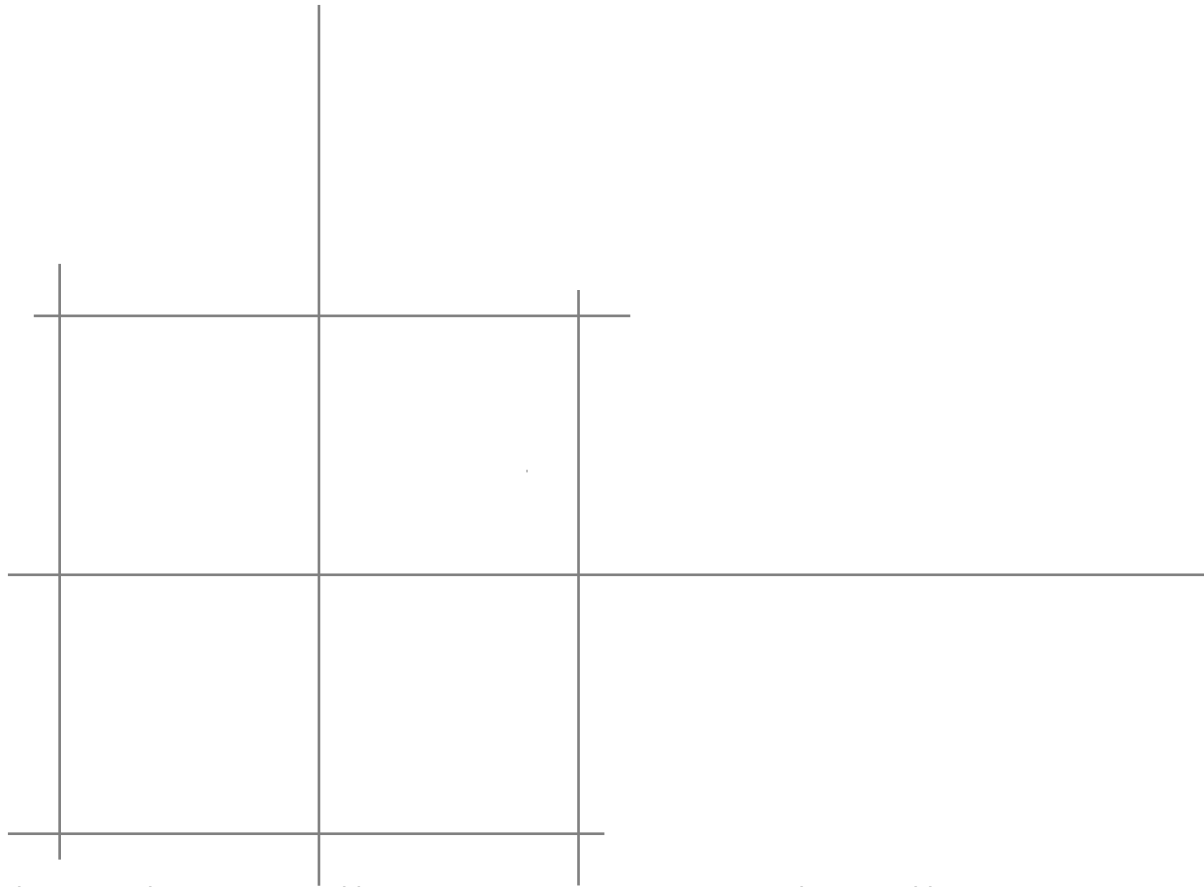
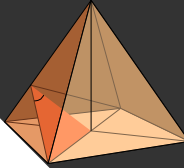


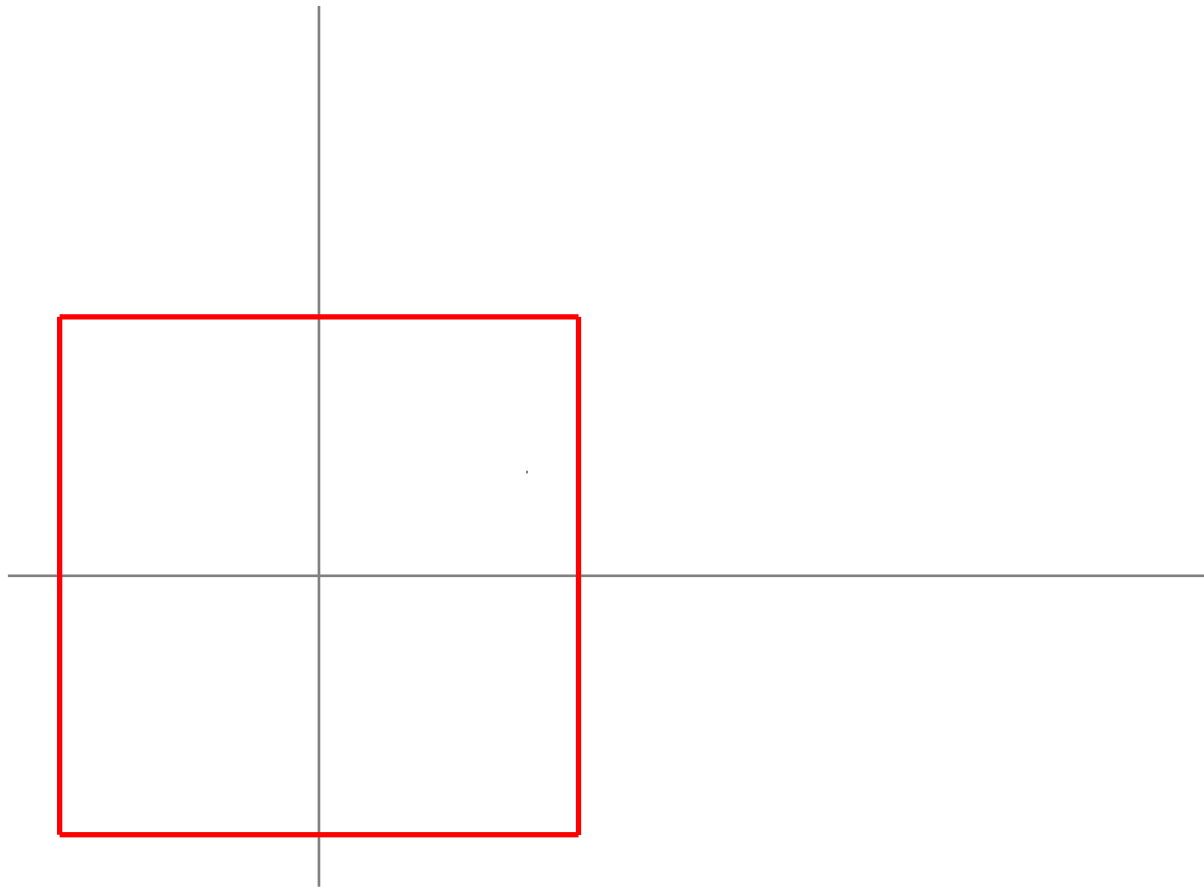
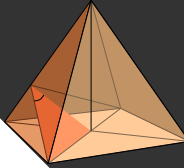
$$r = a/2$$

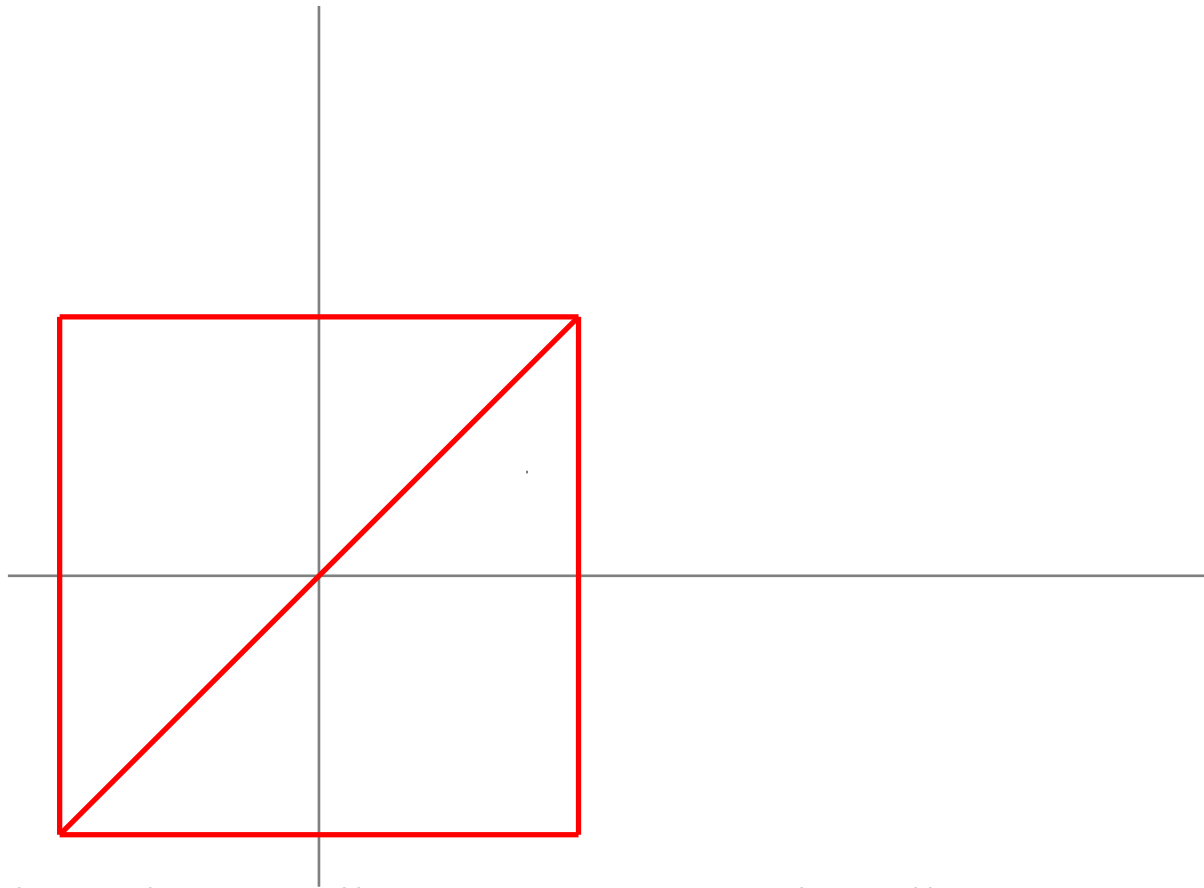
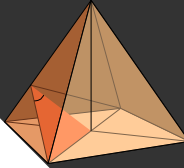




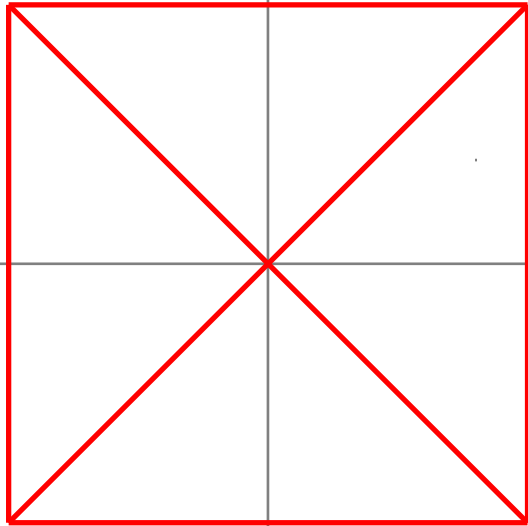
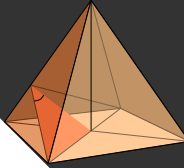


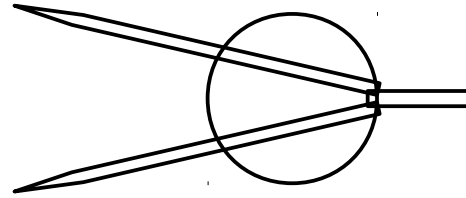
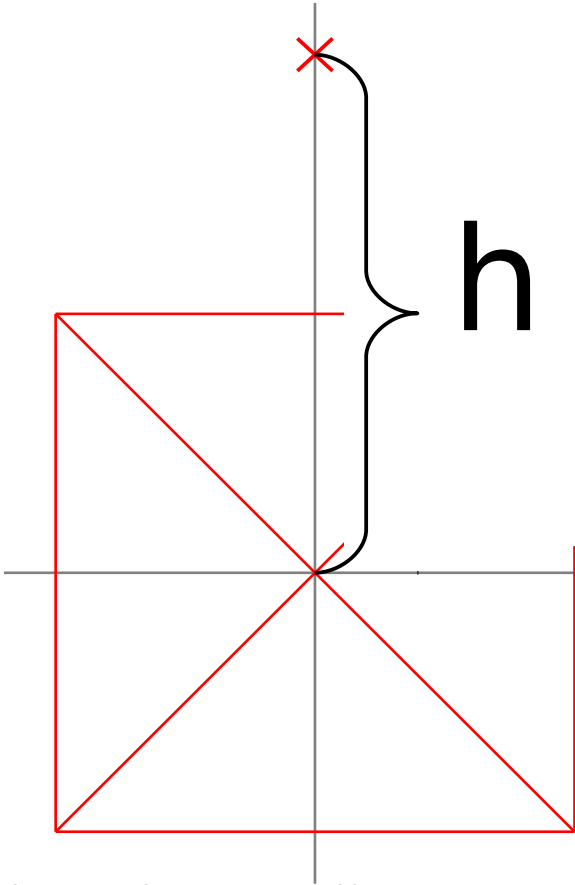
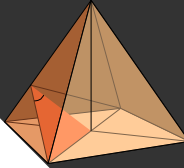




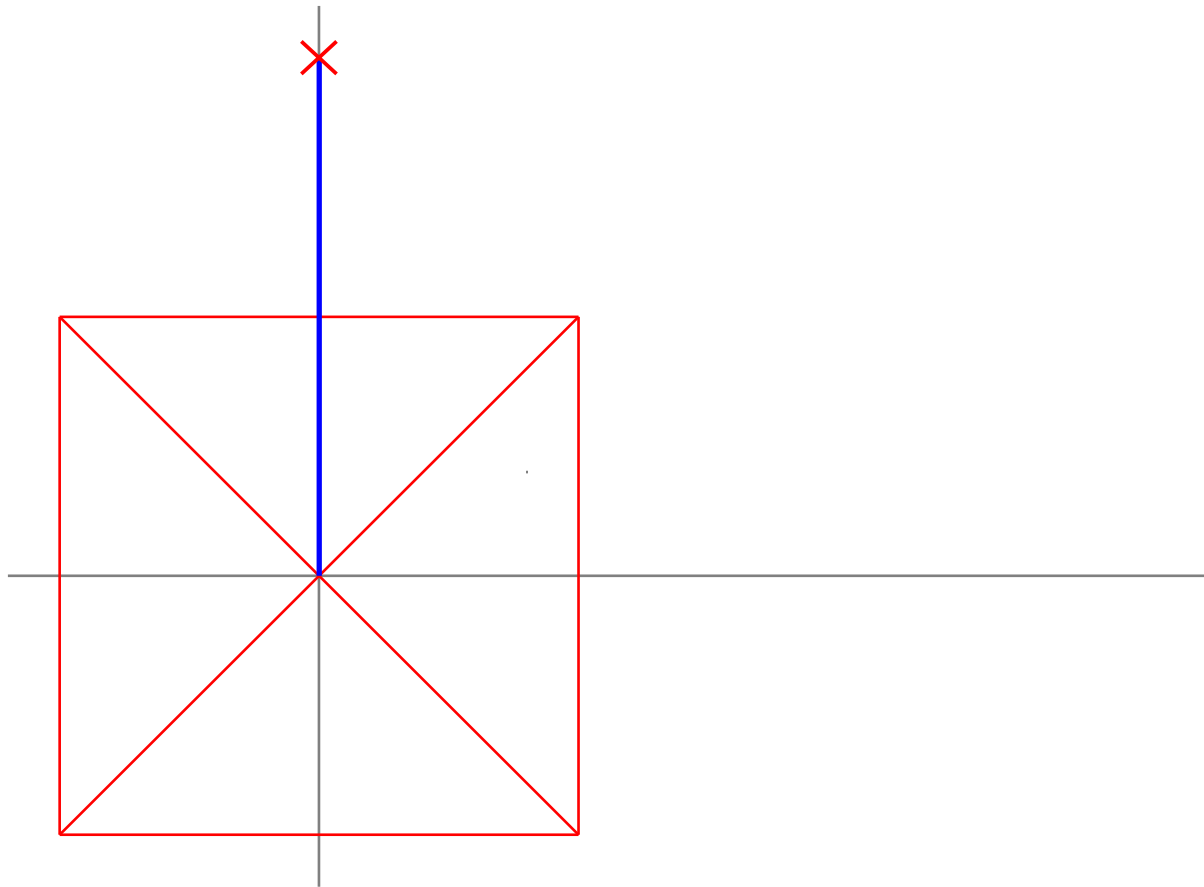
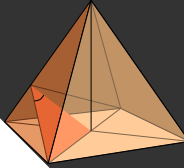


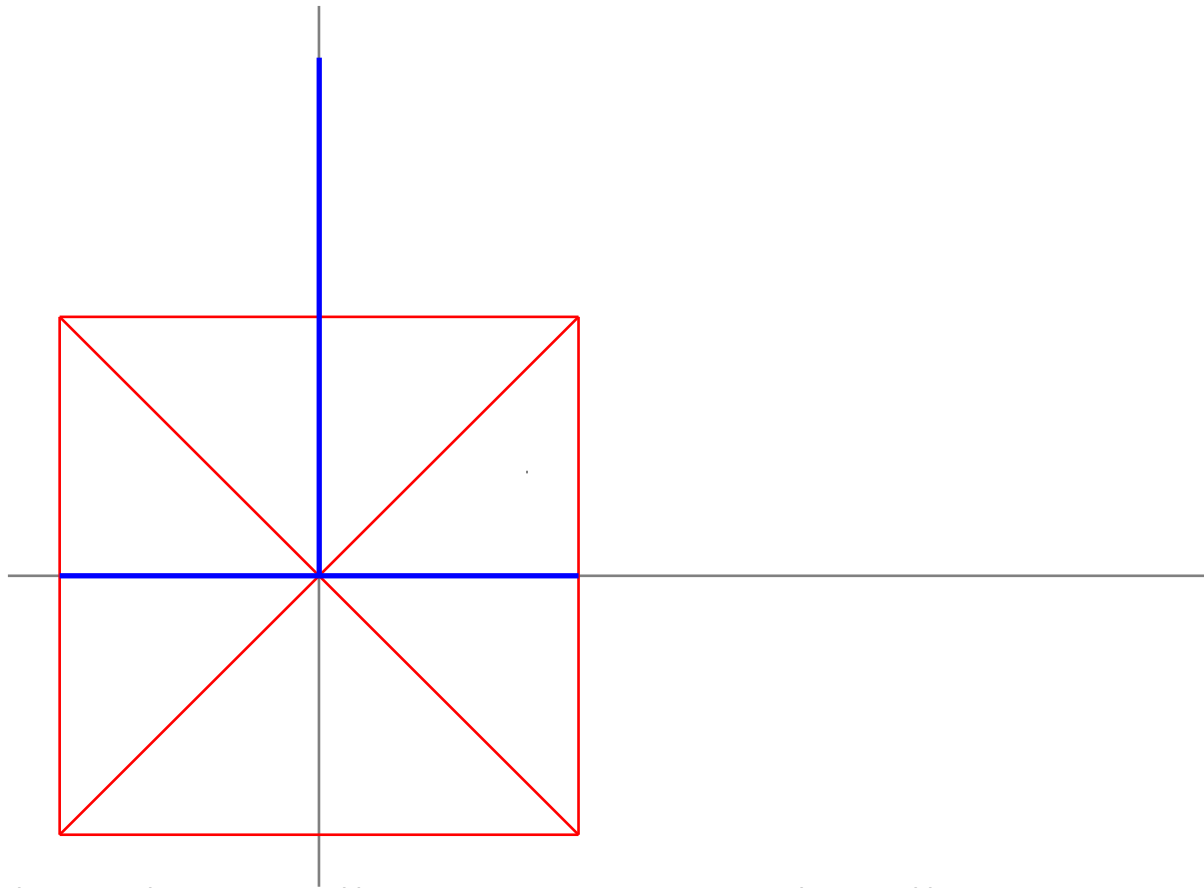
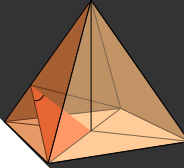
Draufsicht

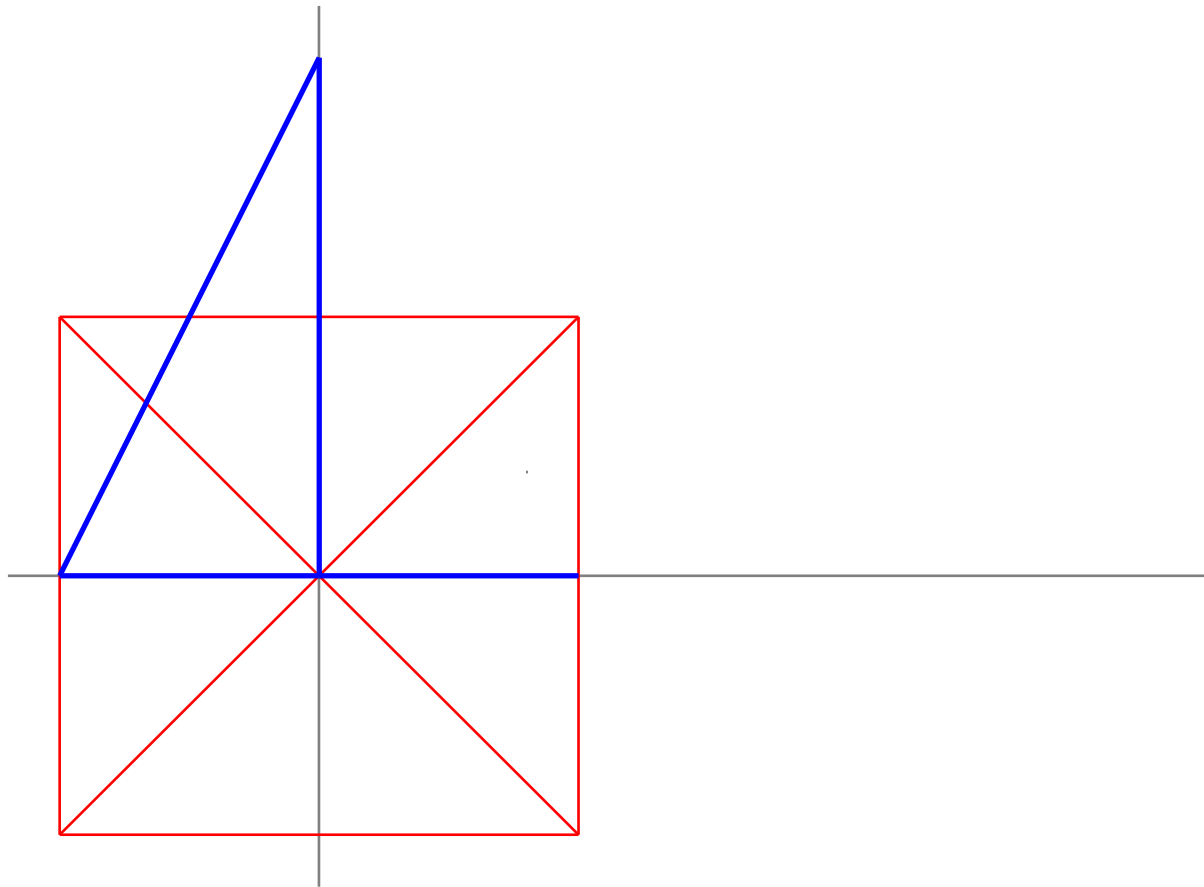
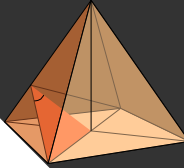


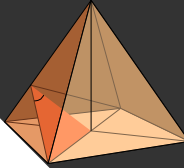


Zeichnen des
Schnittes
durch die Mitte

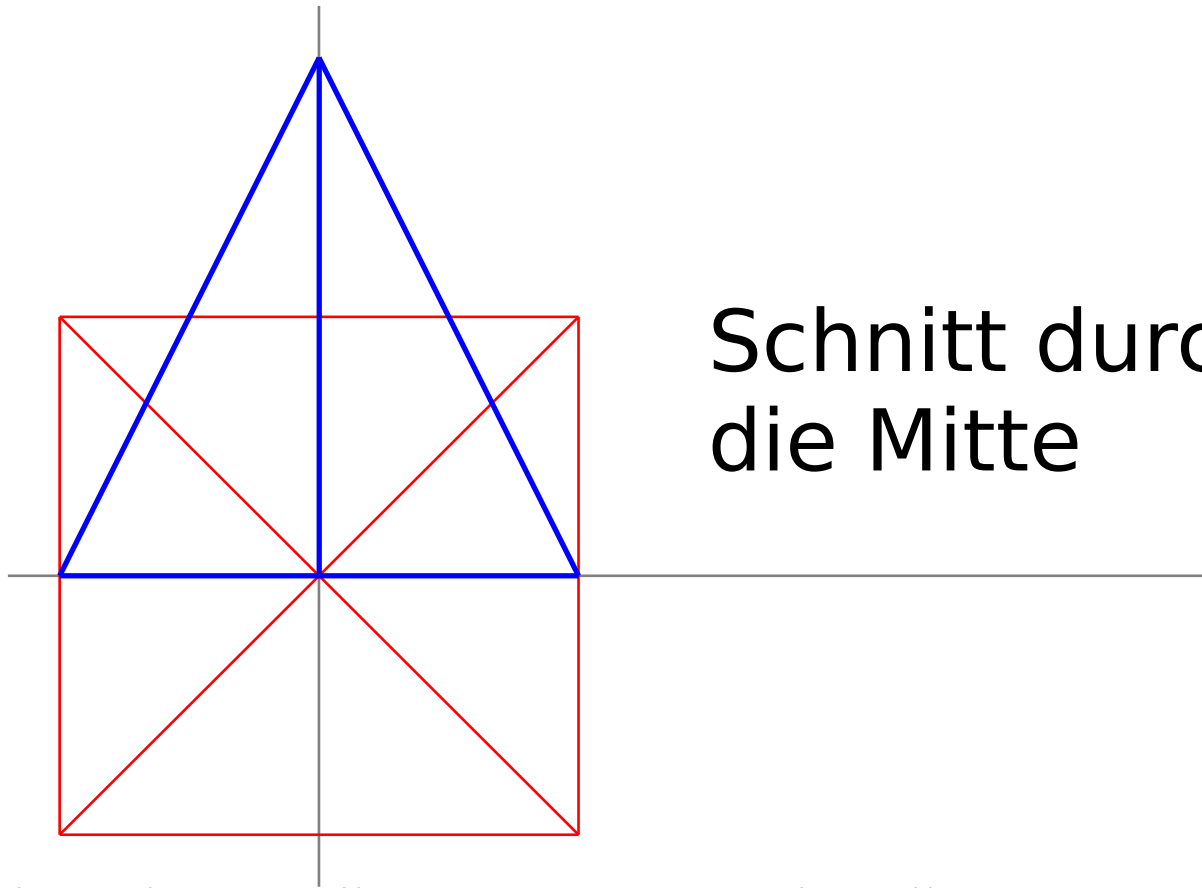


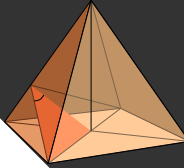




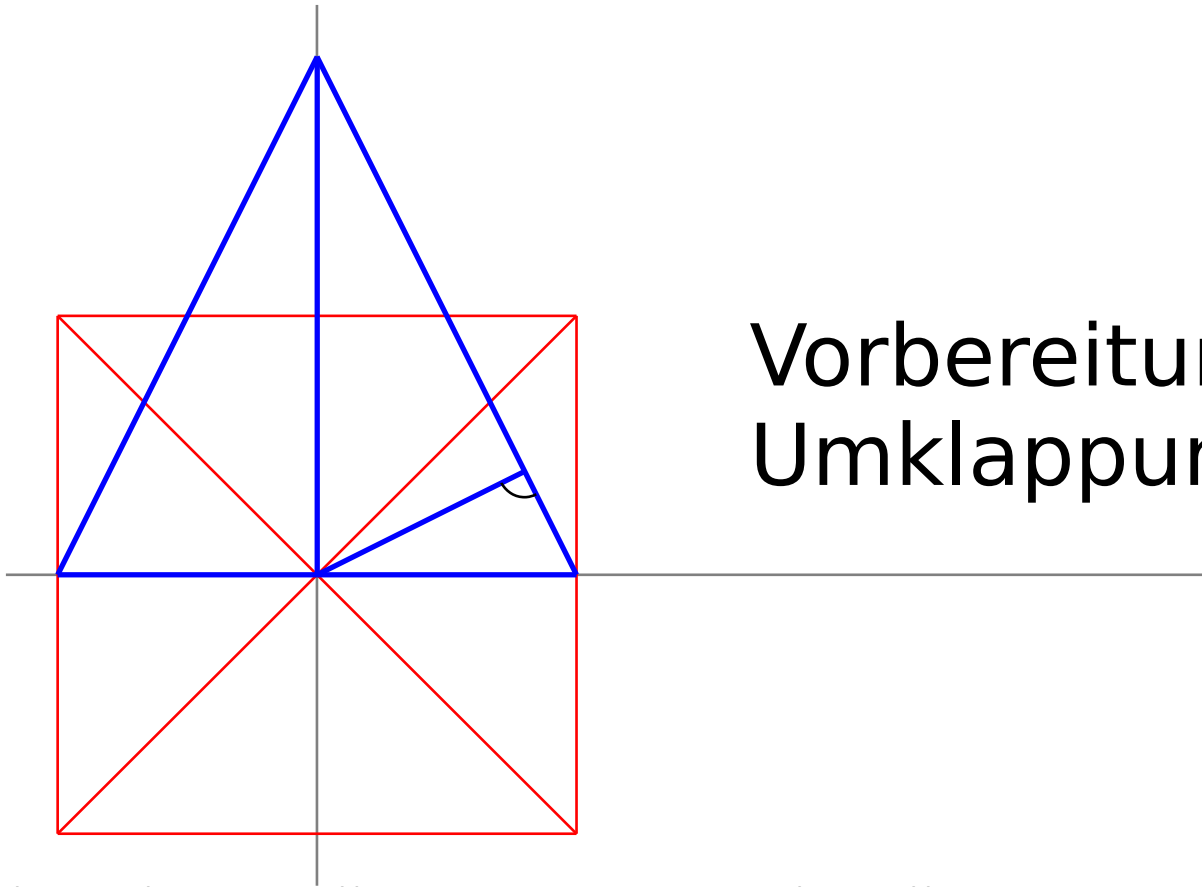


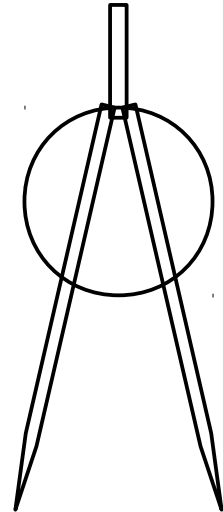
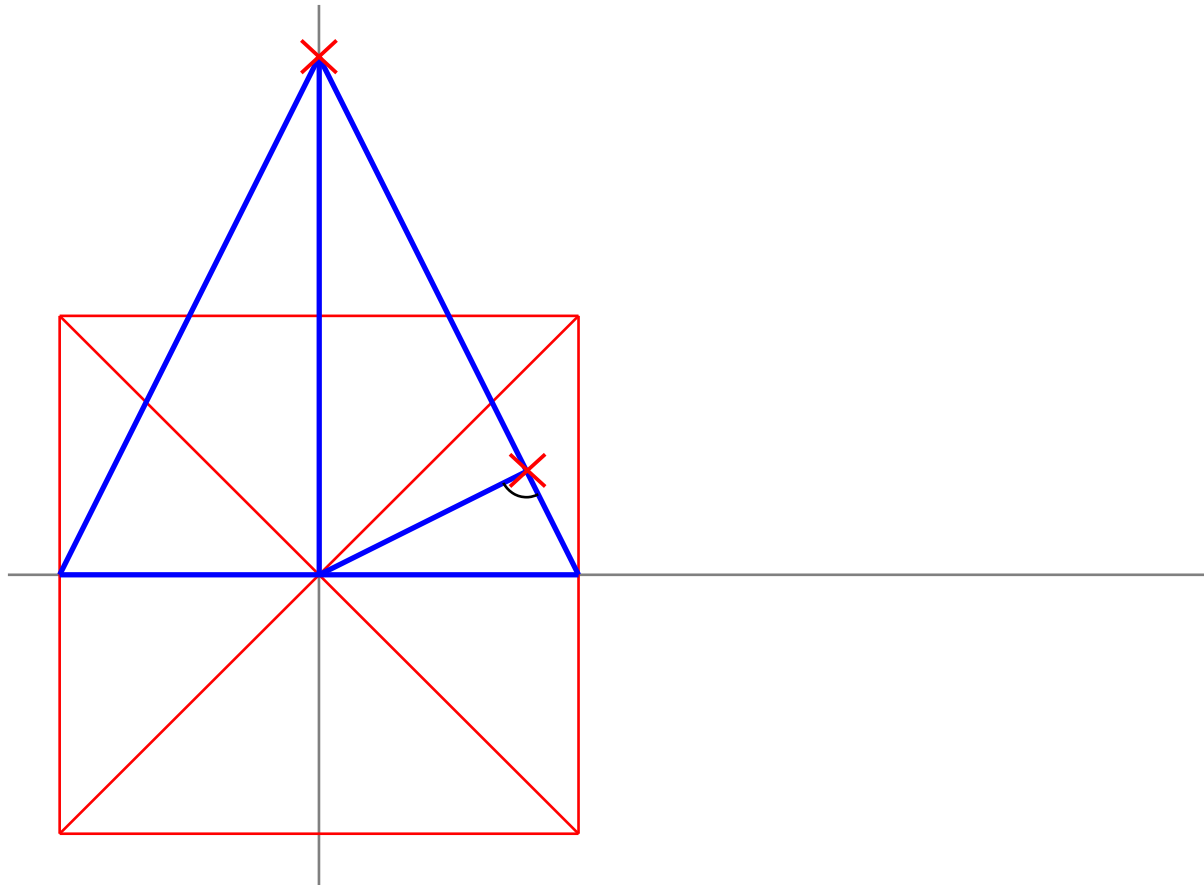
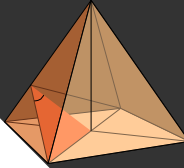
Schnitt durch die Mitte

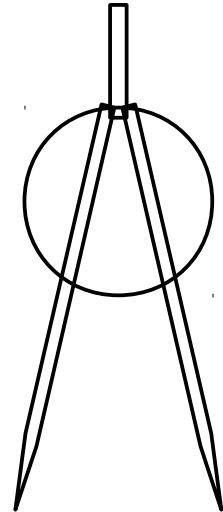
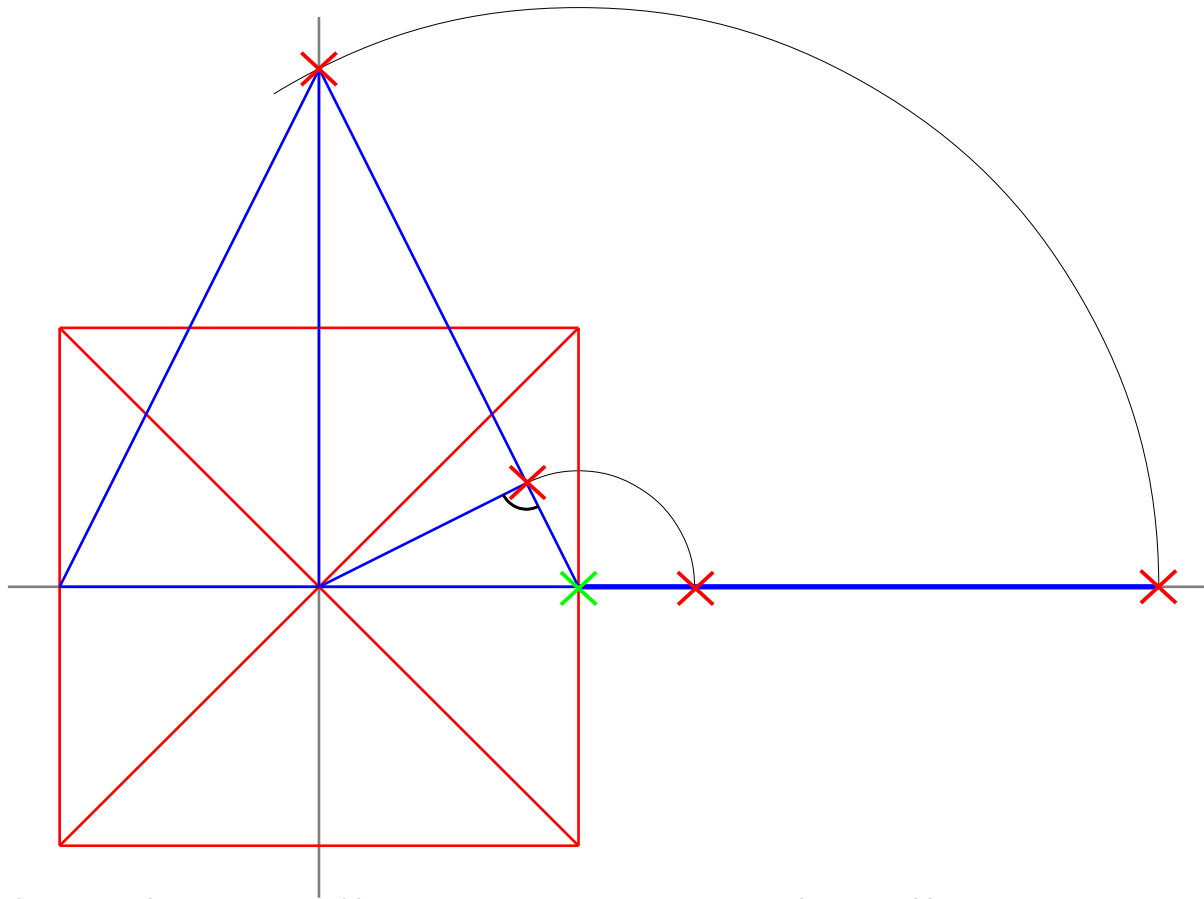
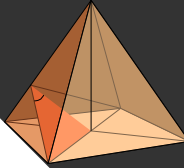


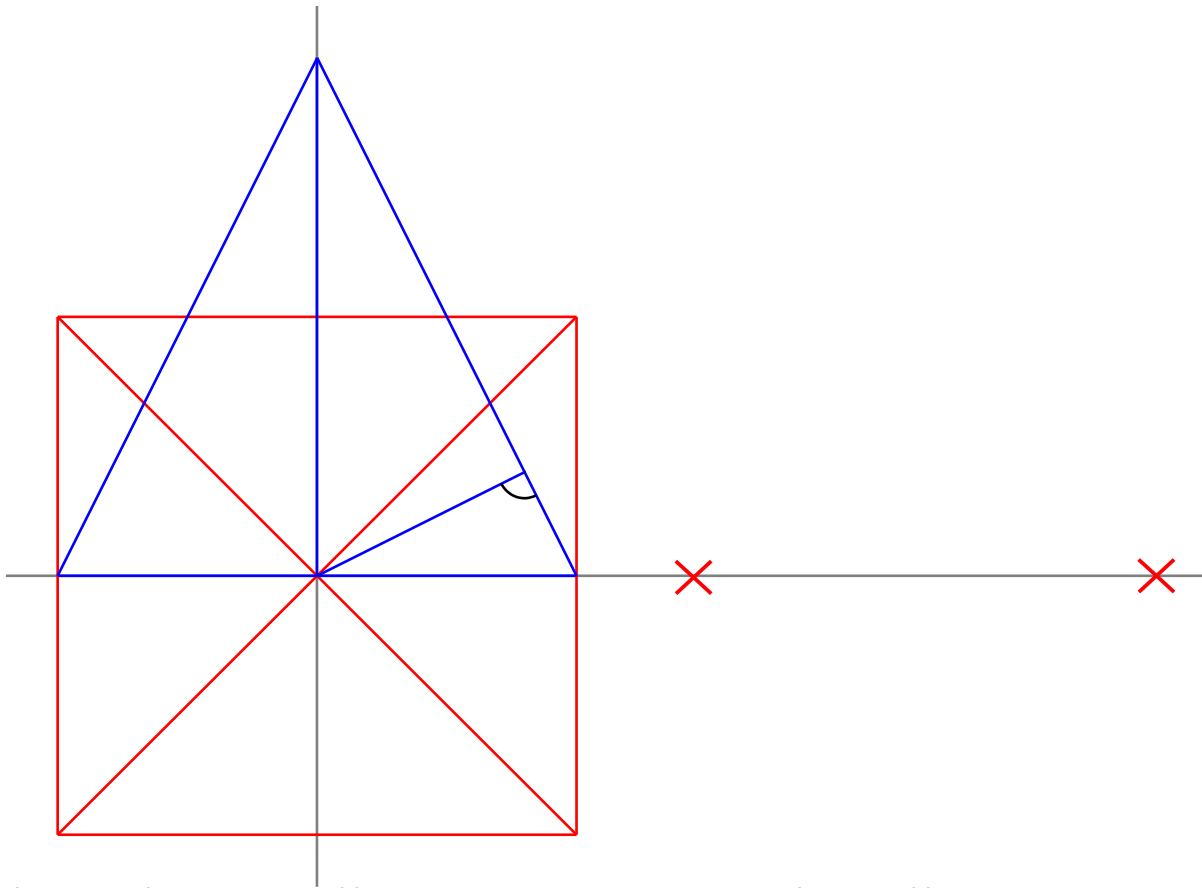
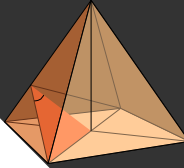


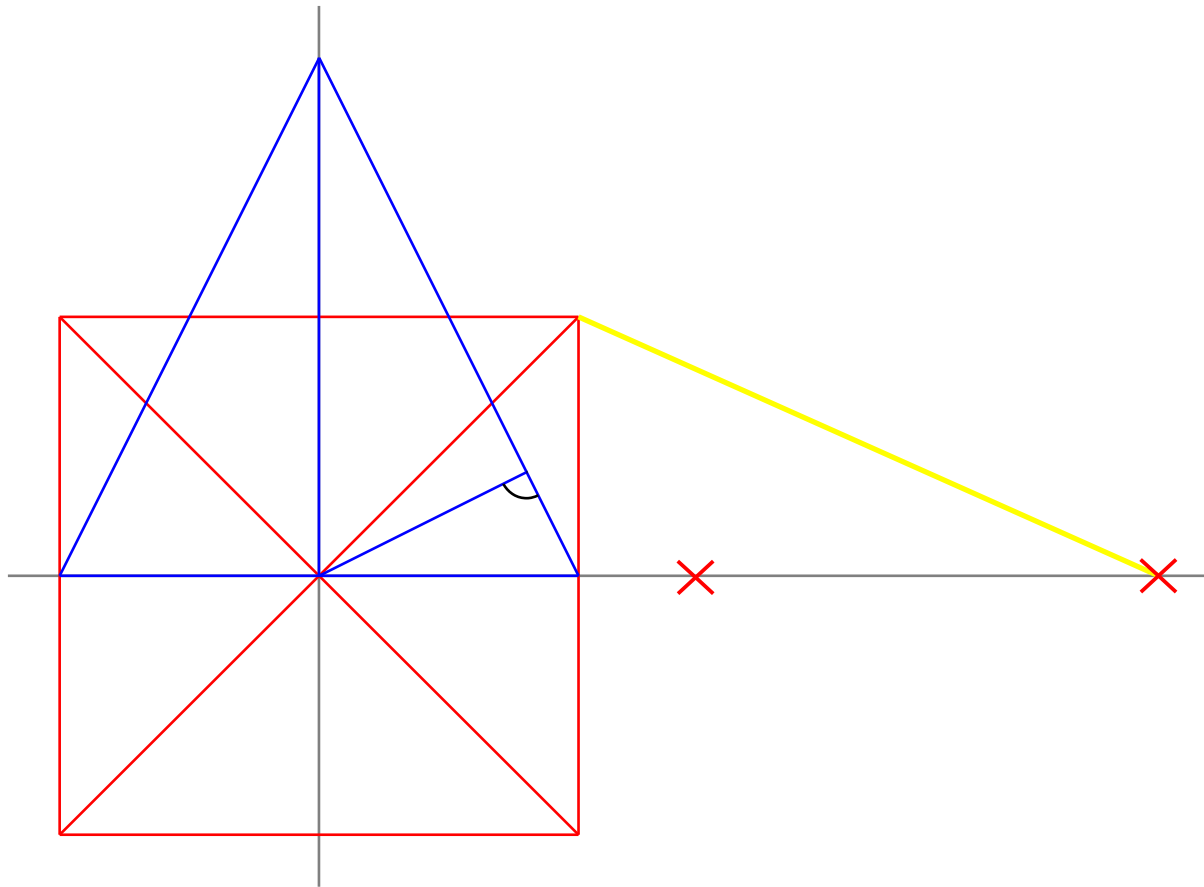
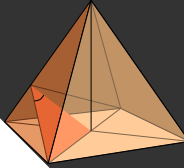
Vorbereitungen zur Umklappung

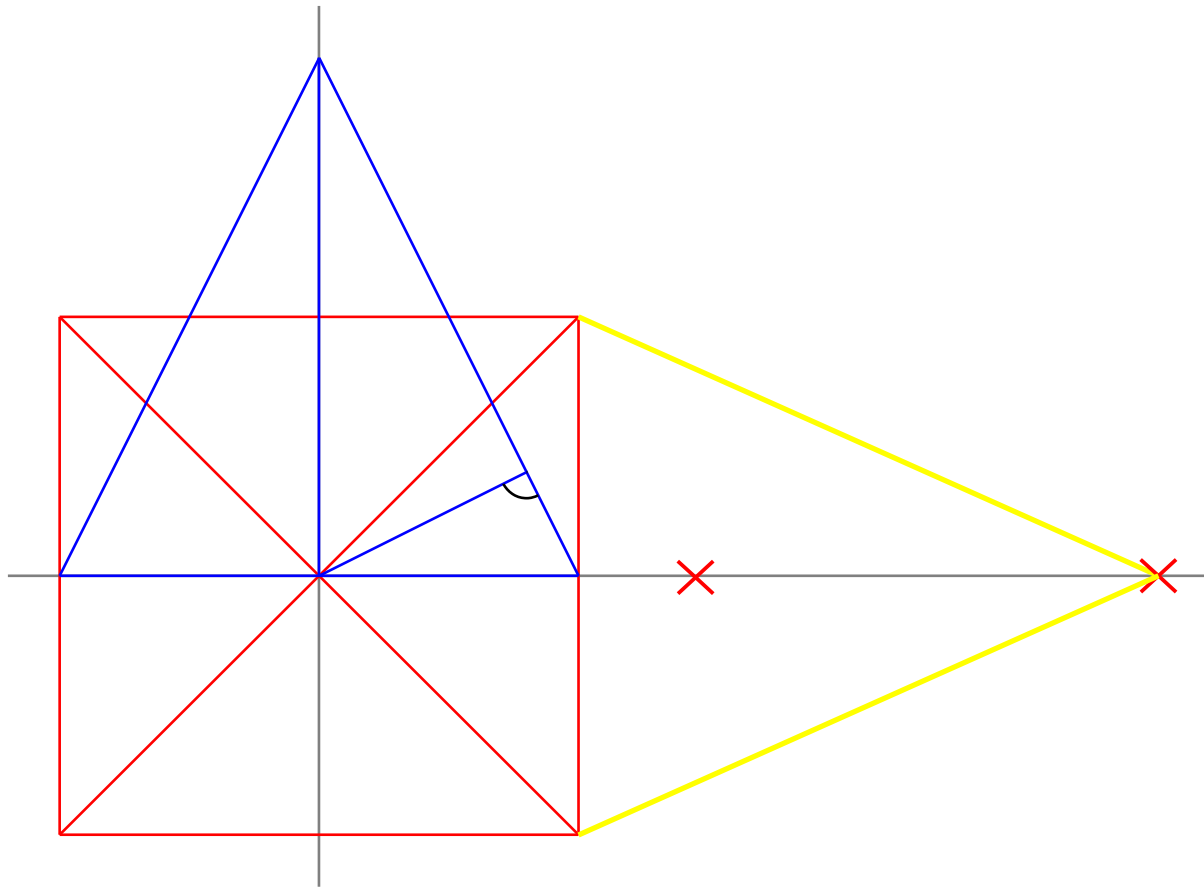
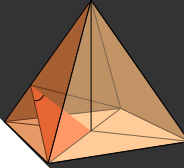


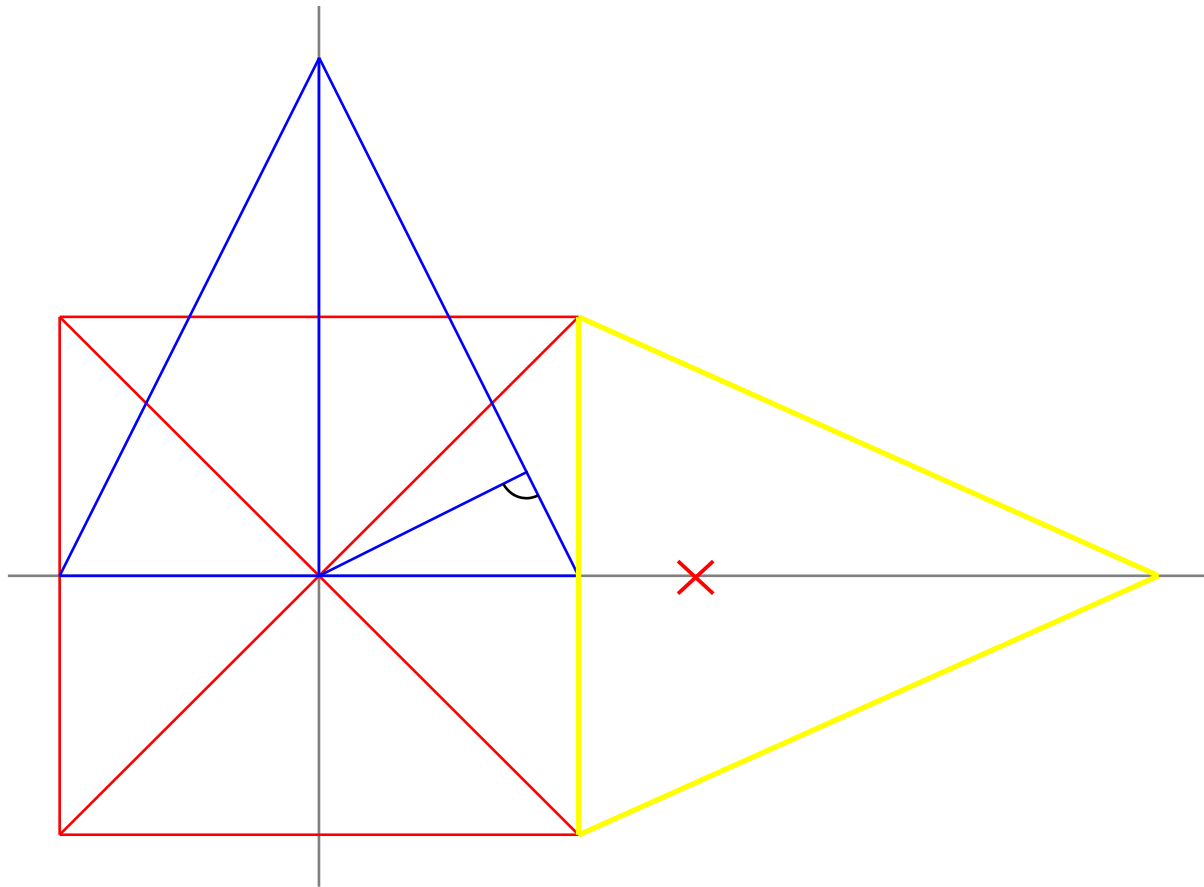
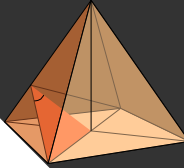


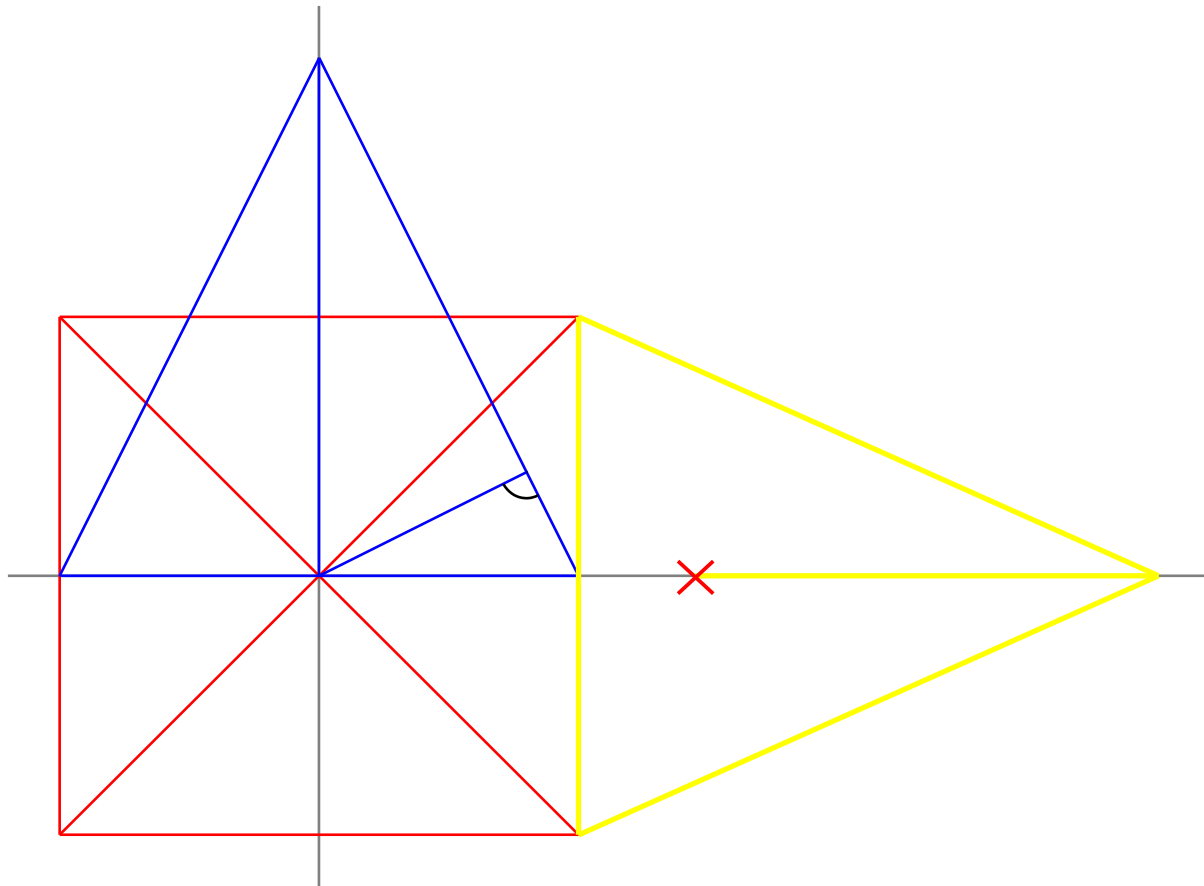
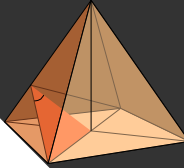


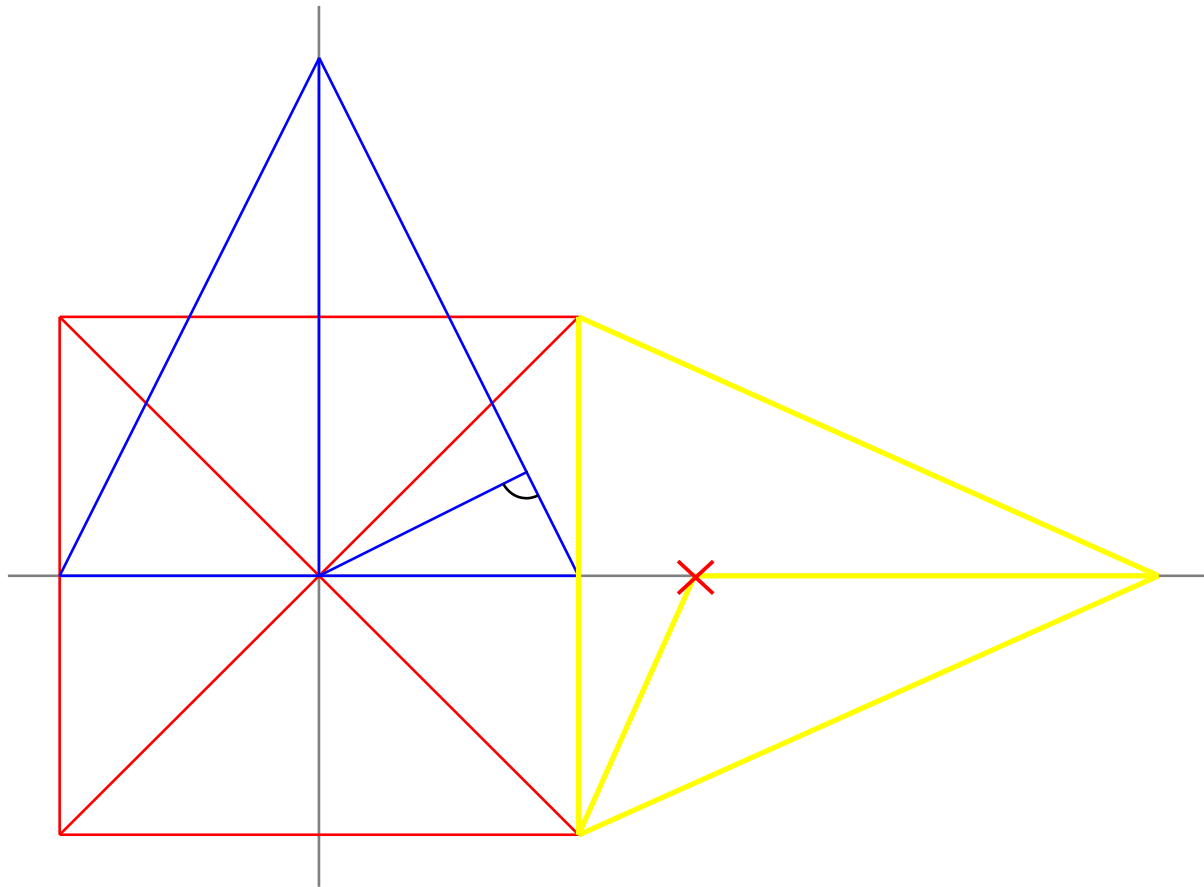
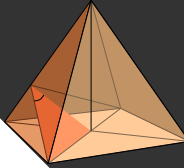


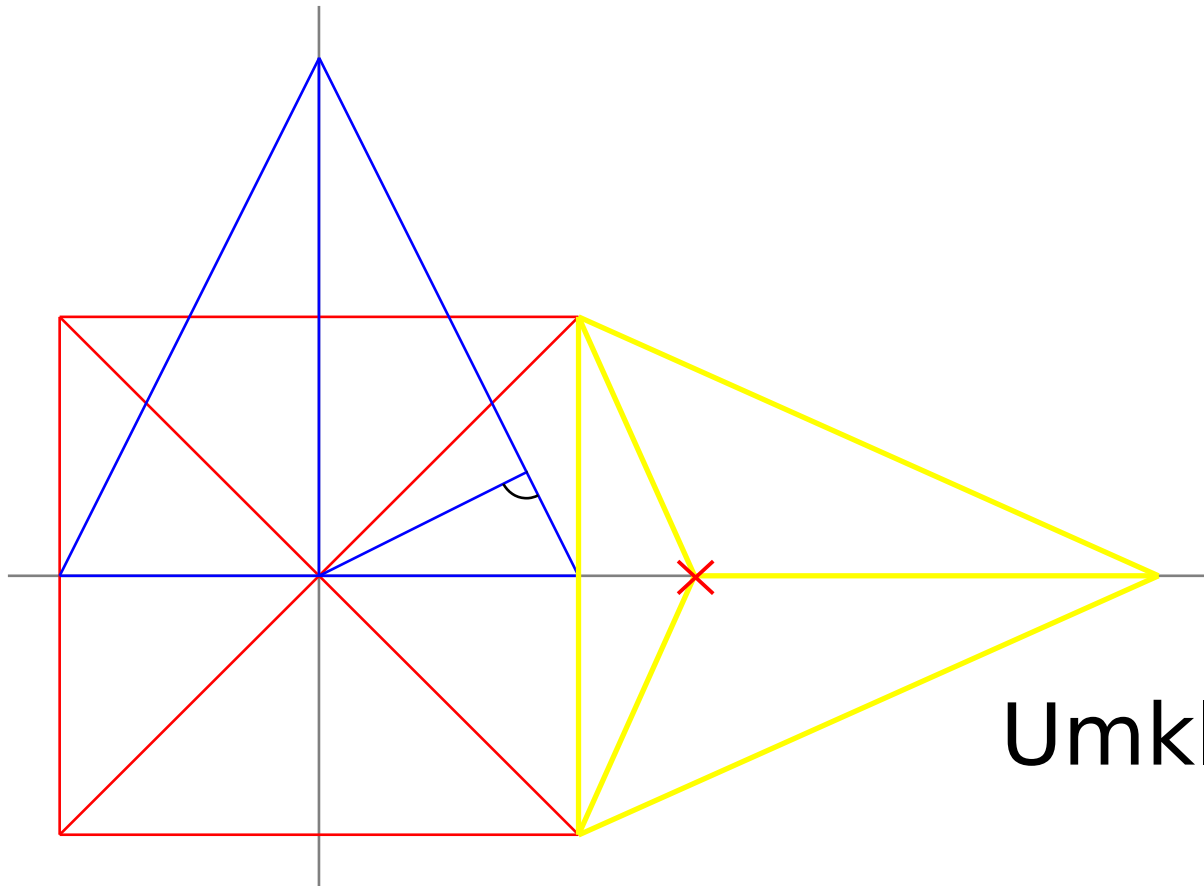
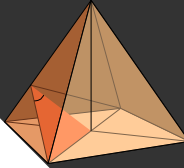






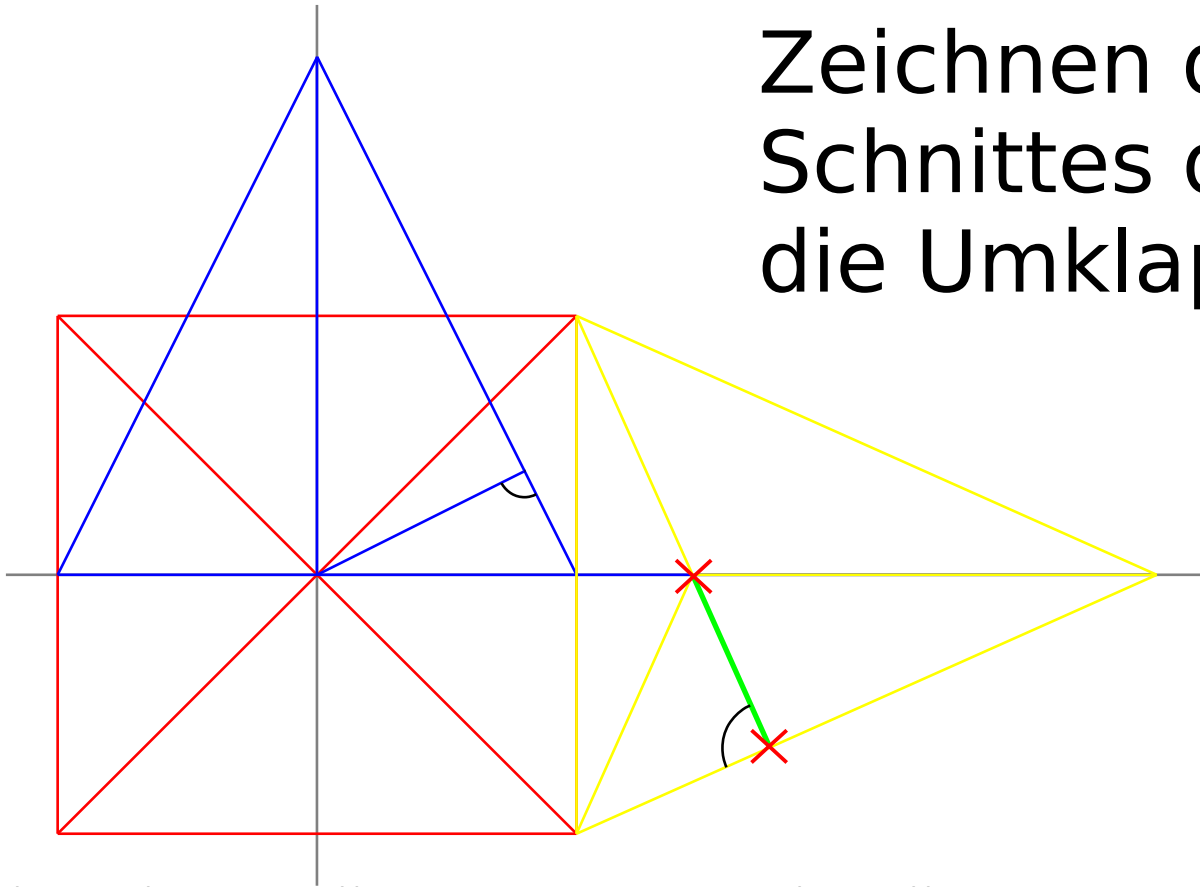
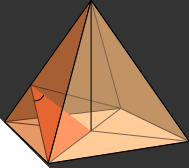


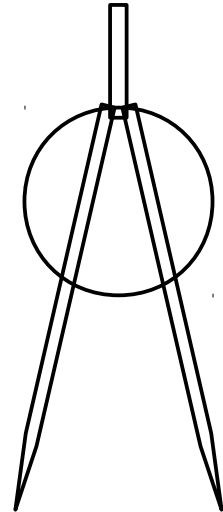
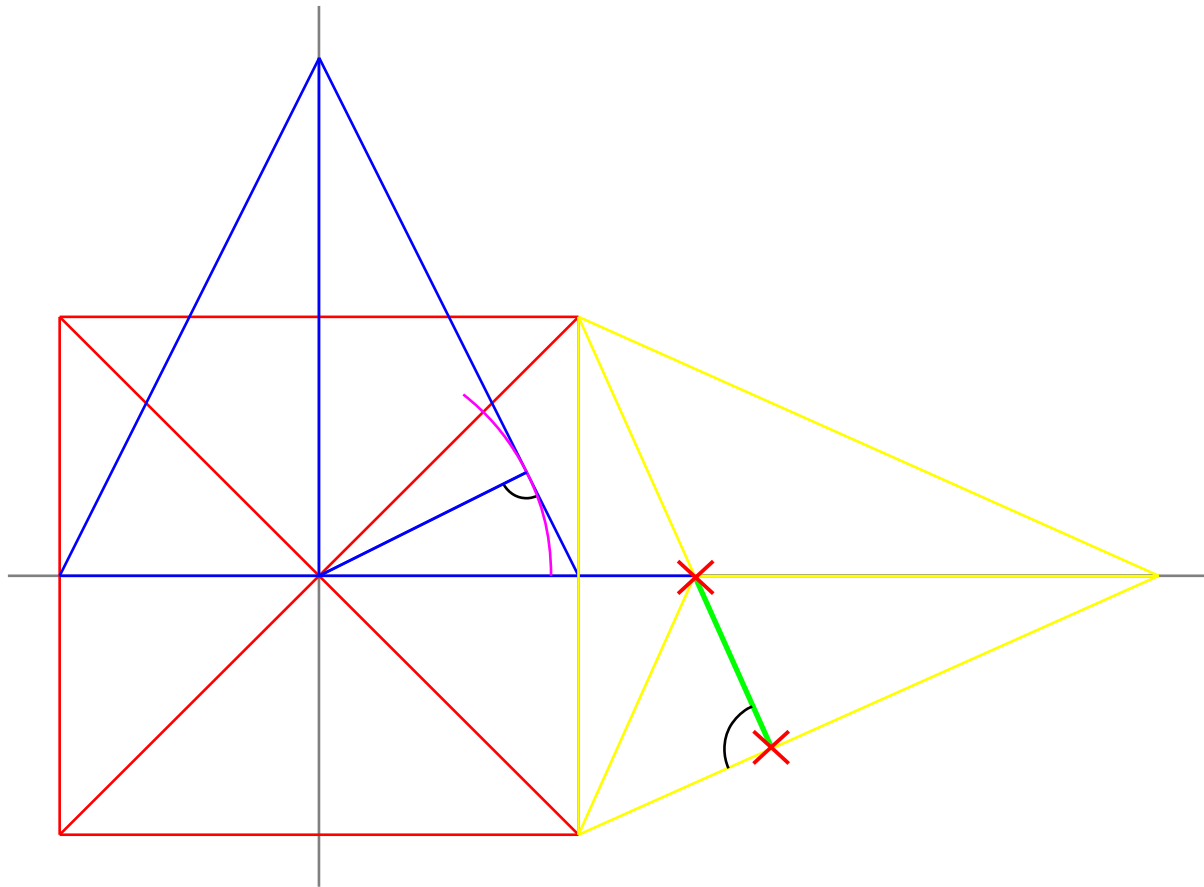
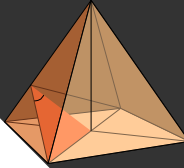


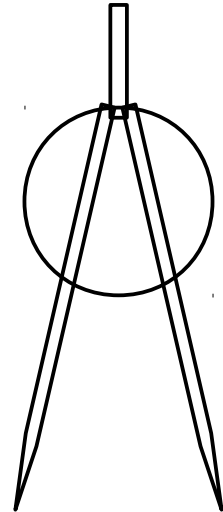
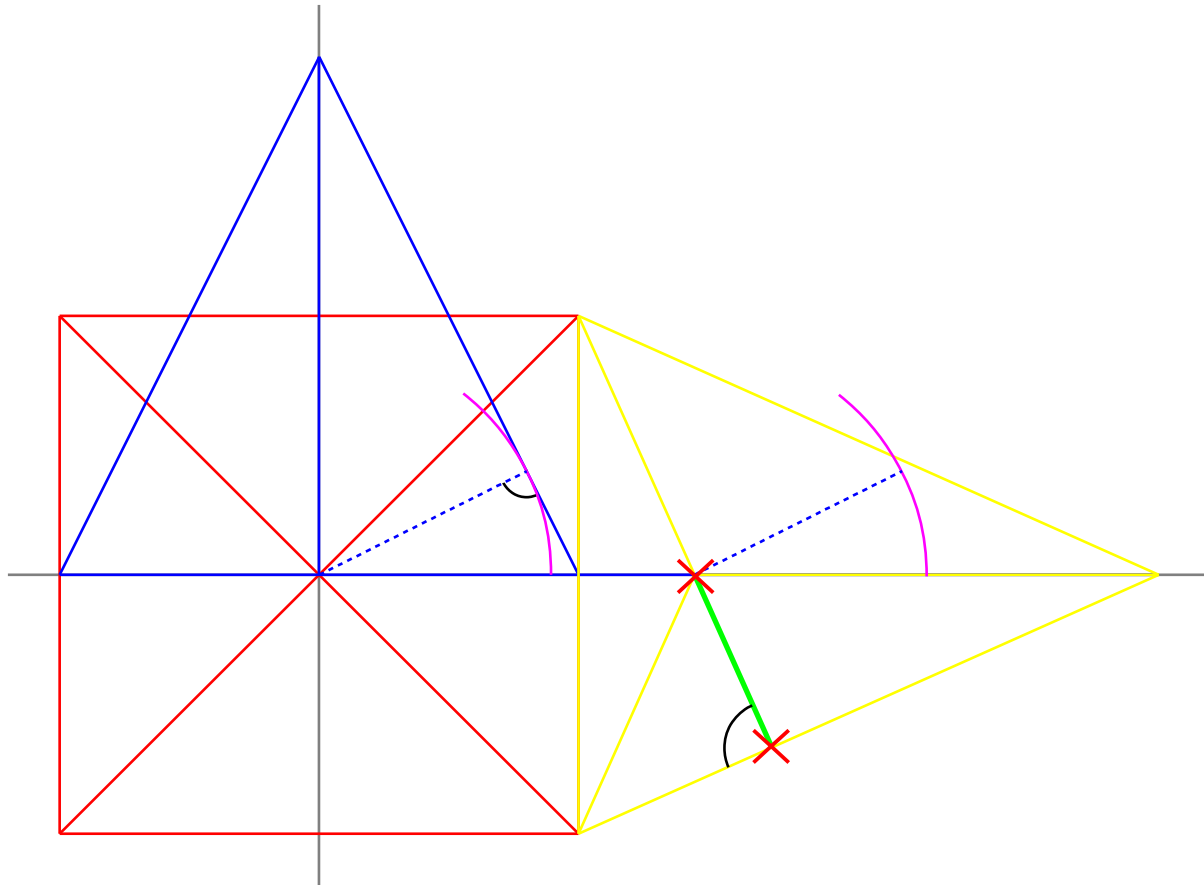
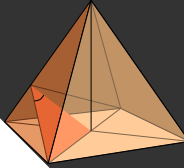


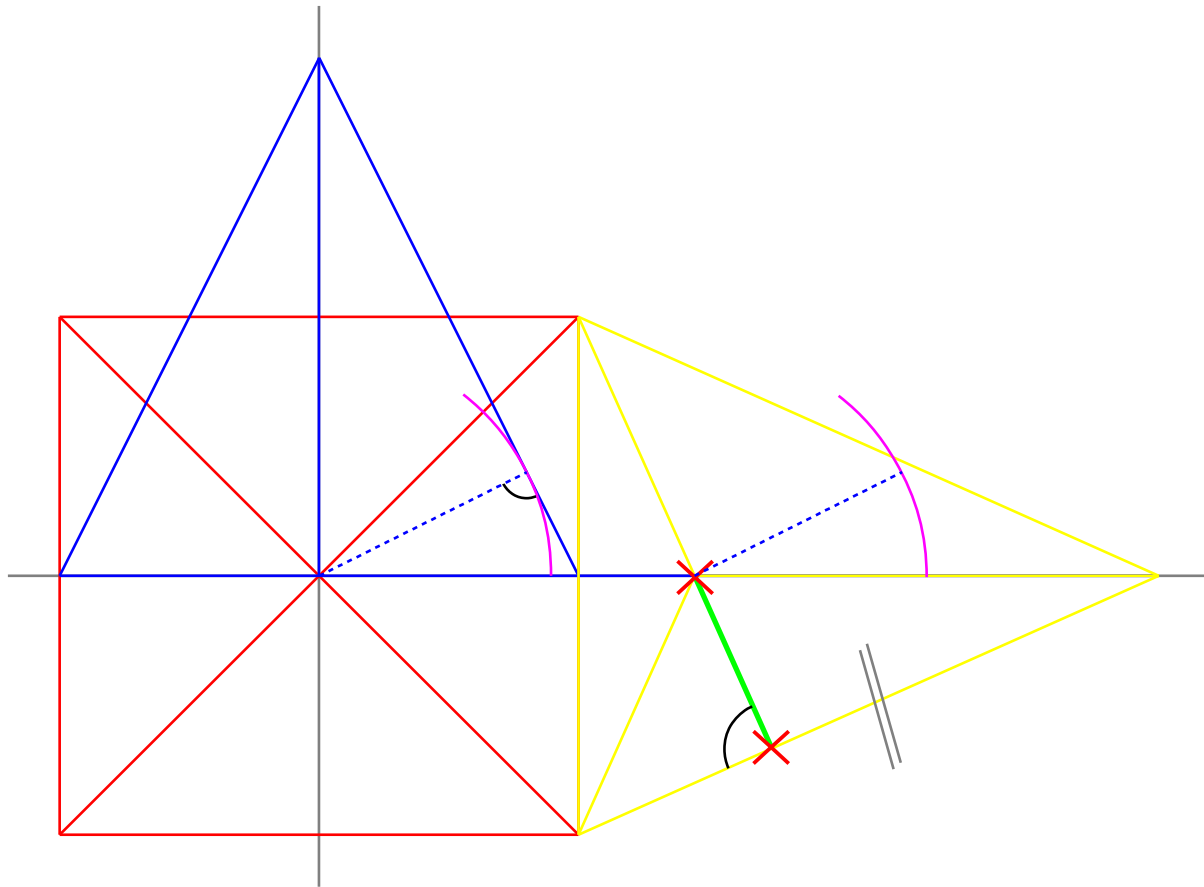
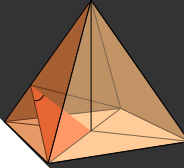
Umkloppung

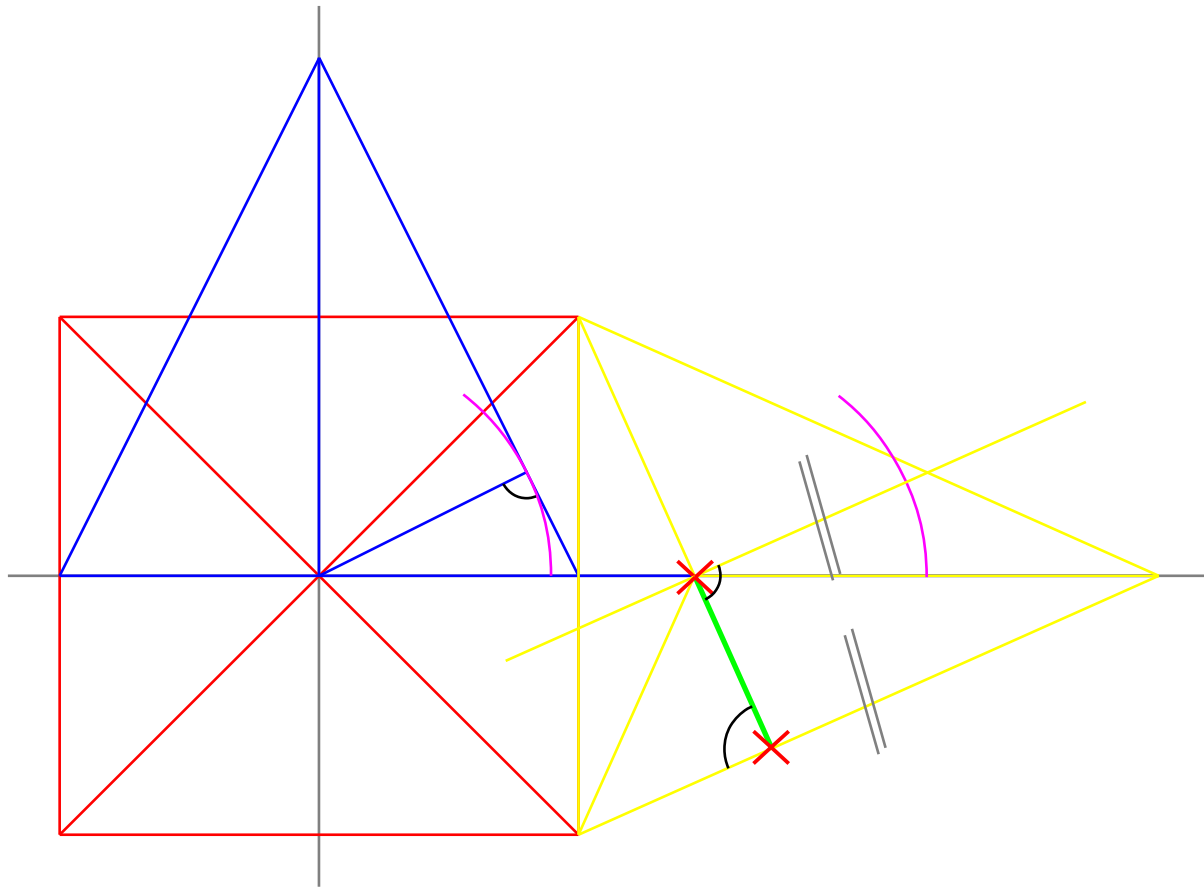
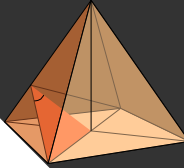
Zeichnen des Schnittes durch die Umklappung

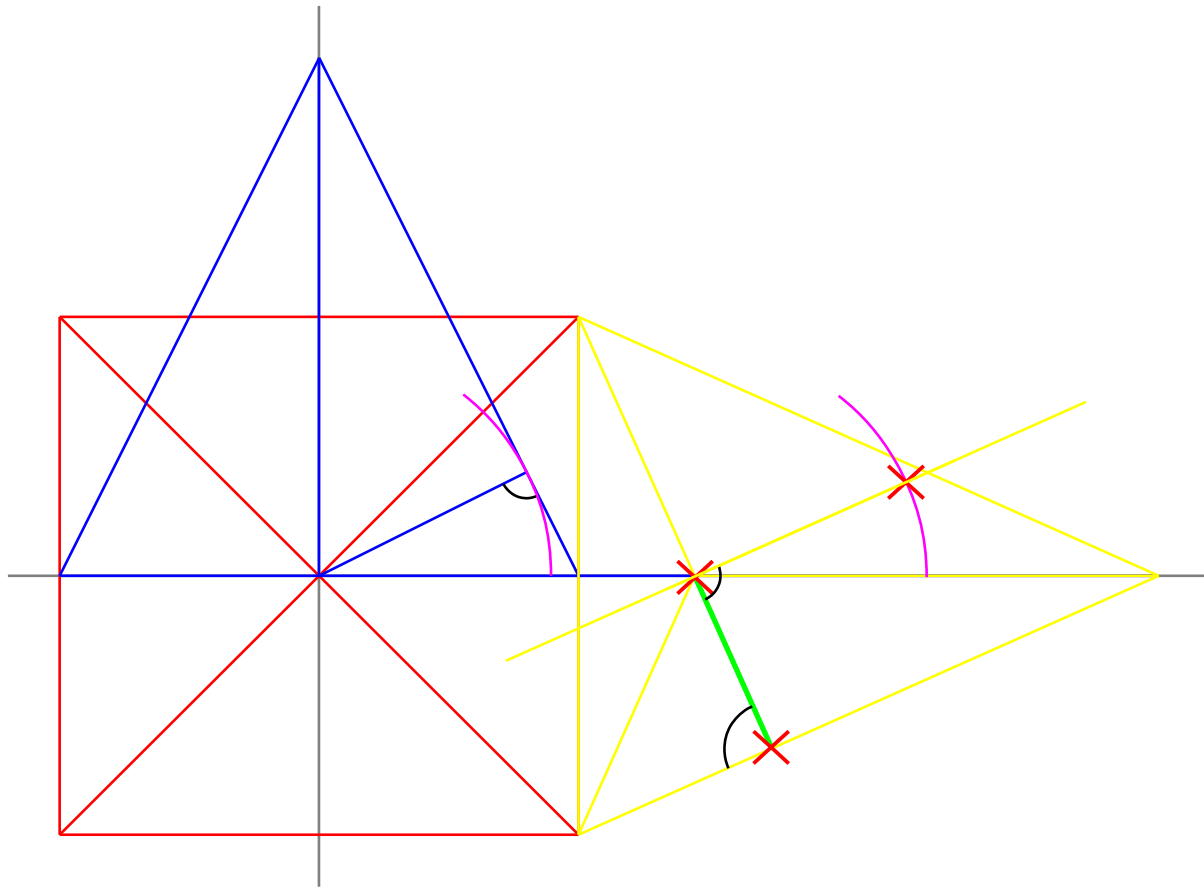
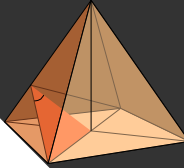


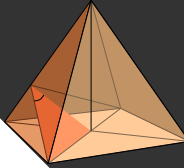




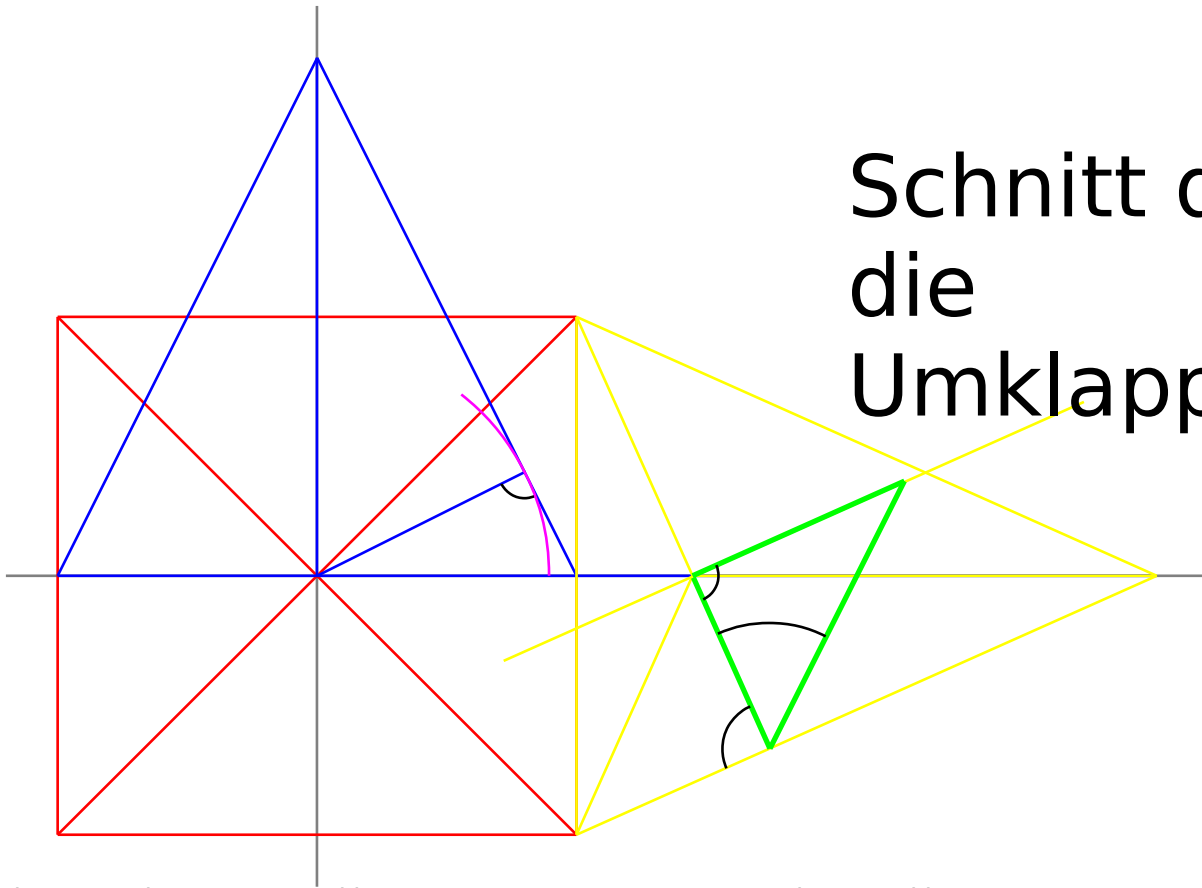


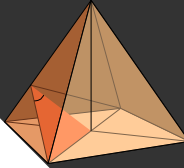






Schnitt durch die Umklappung





Der Winkel Omega zwischen zwei
Seiten einer geraden Pyramide mit
quadratischer Grundfläche;
zeichnerisch ermittelt mit den
bekannten Größen
Höhe der Pyramide und
Kantenlänge der Grundfläche.

