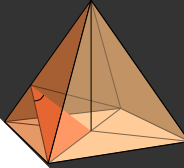
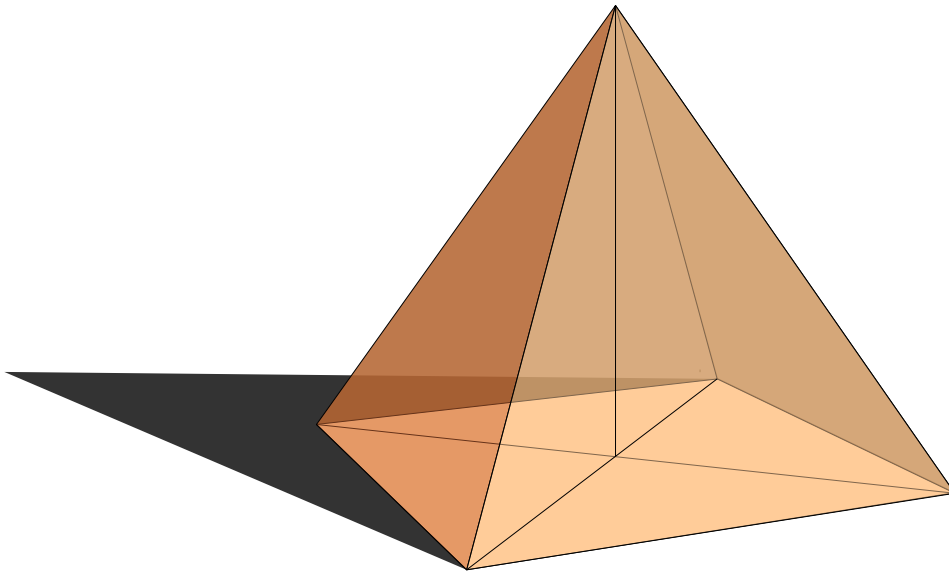
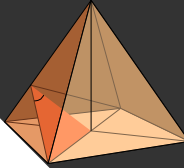


Gerade Pyramide mit quadratischer Grundfläche



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



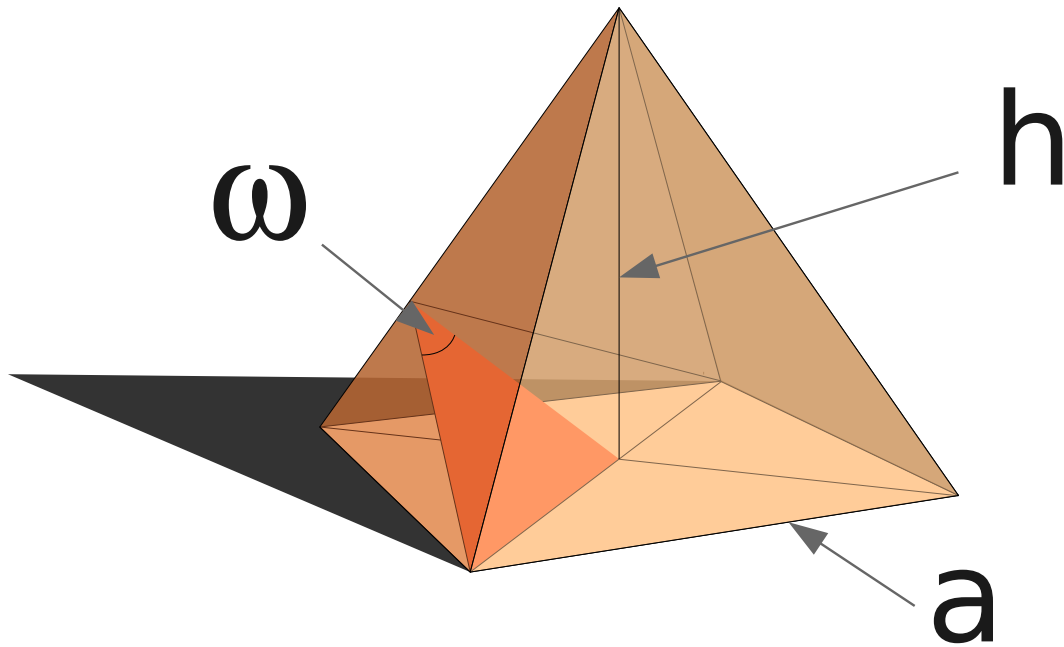
Gesucht wir der Winkel **Omega** an den Seiten
der Pyramide!

ω

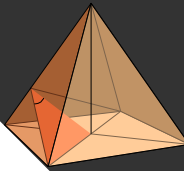
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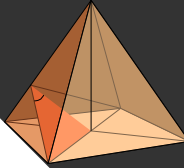
Zur zeichnerischen Ermittlung werden die **Höhe** der
Pyramide und die **Kantenlänge** der Grundfläche
benötigt.

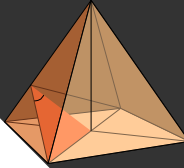
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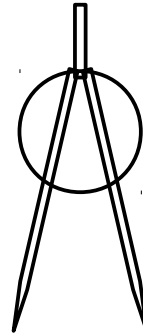
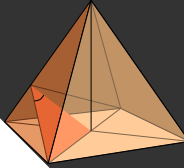


Zeichnen der Draufsicht

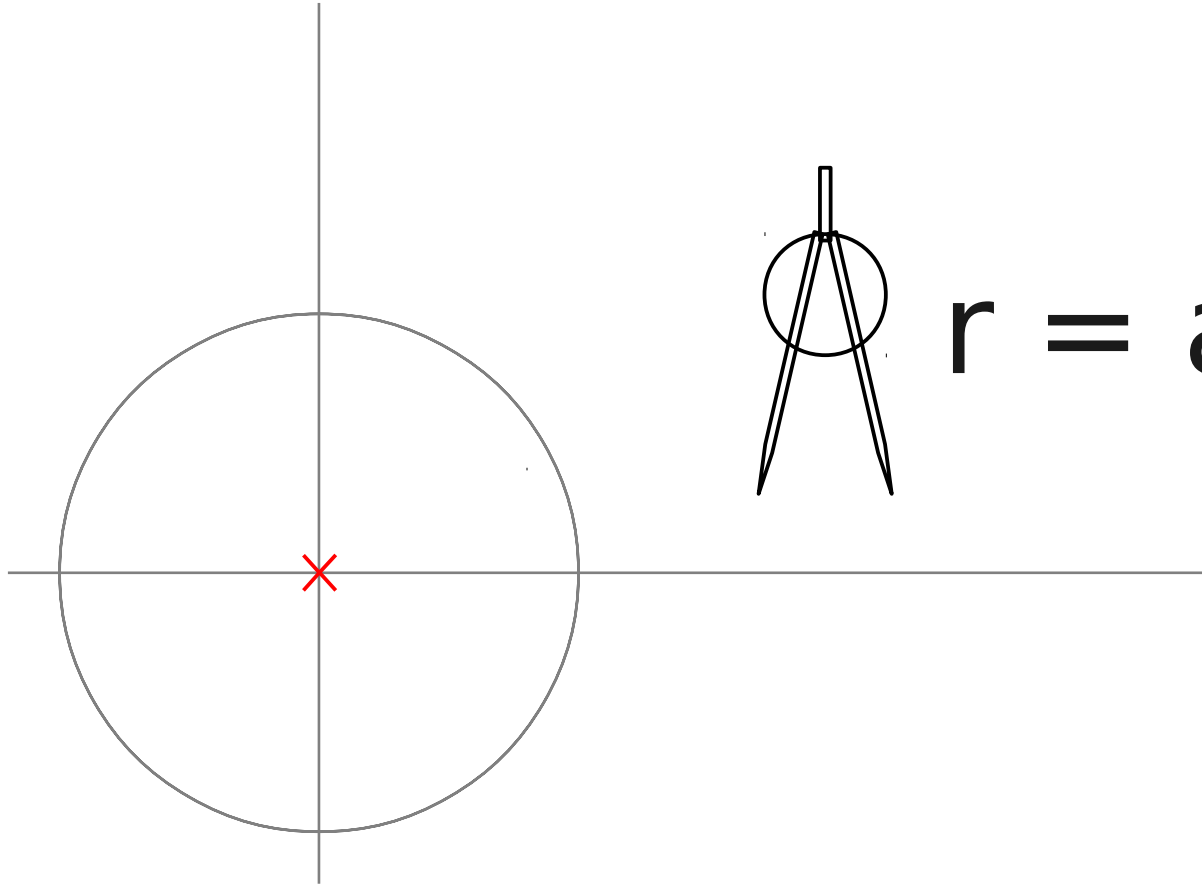


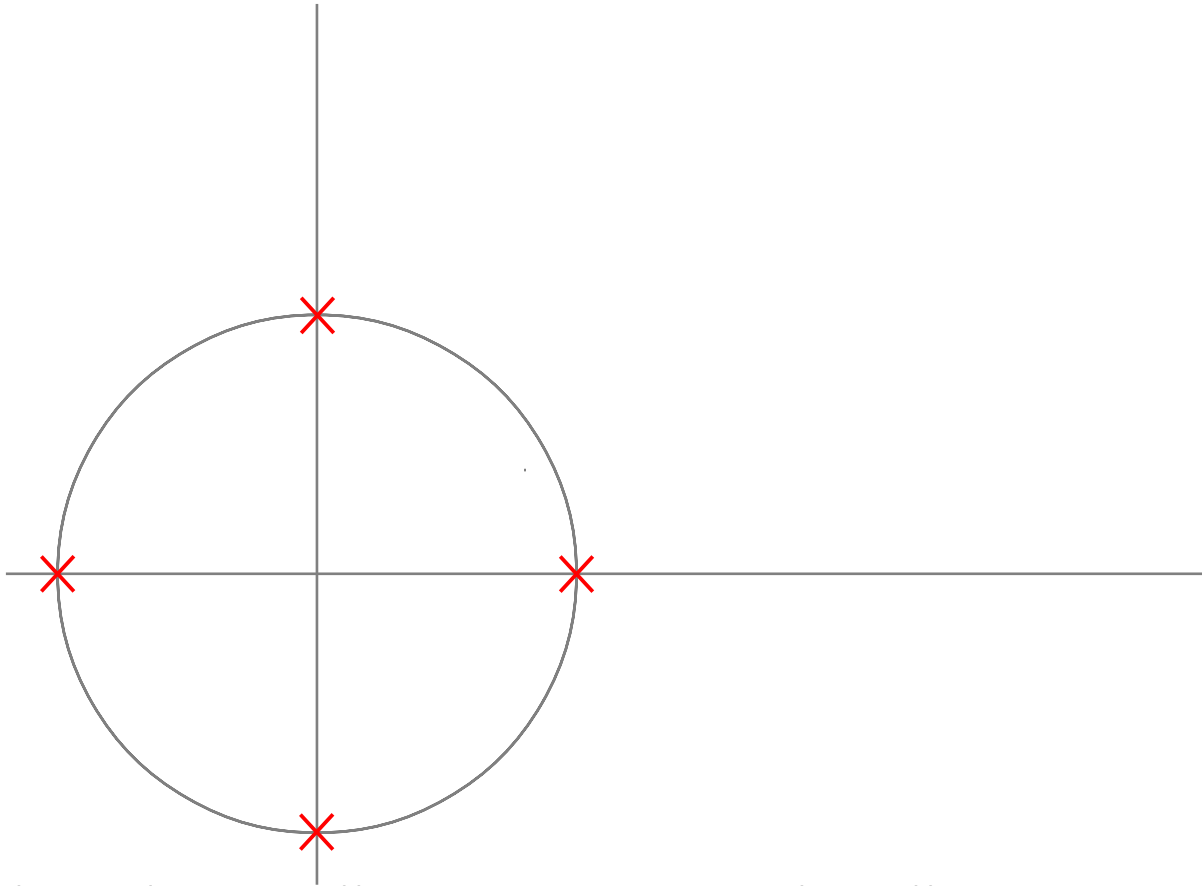
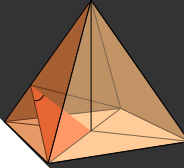


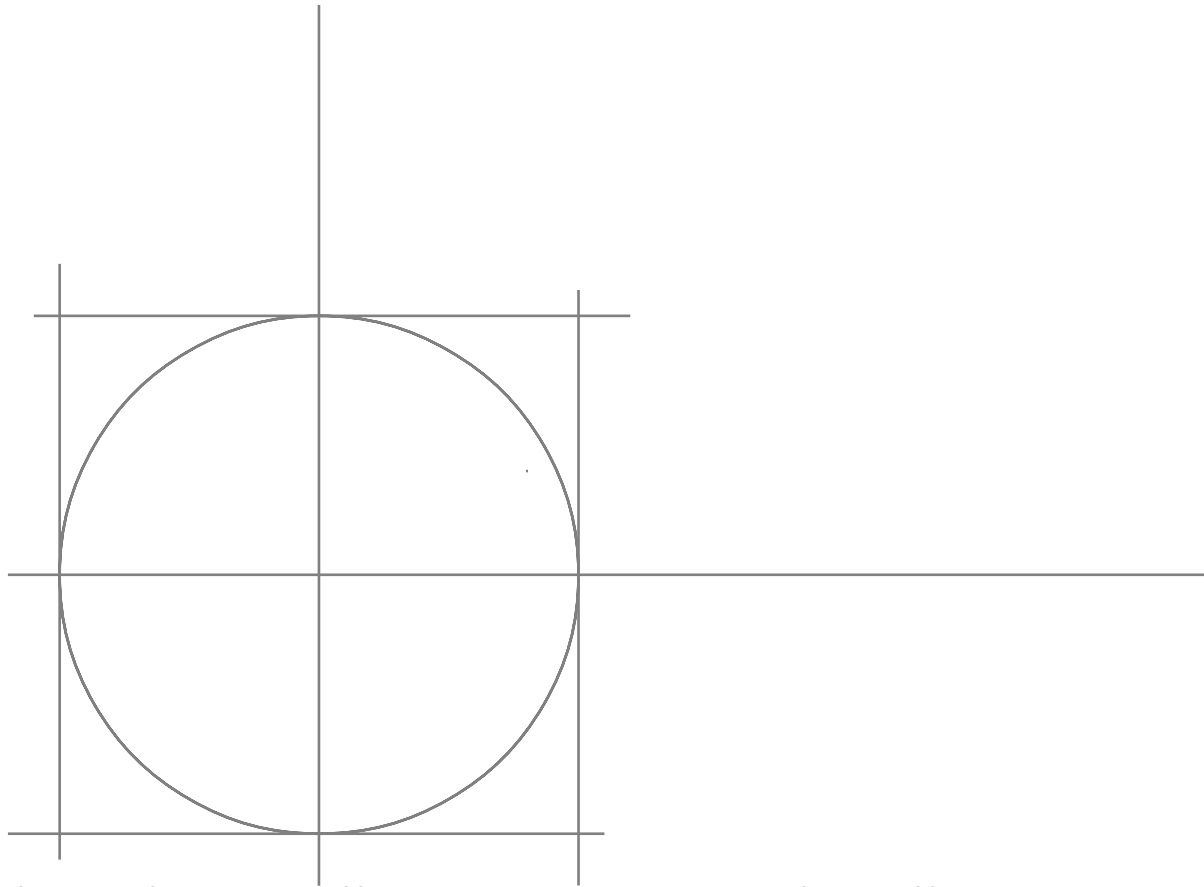
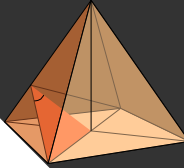


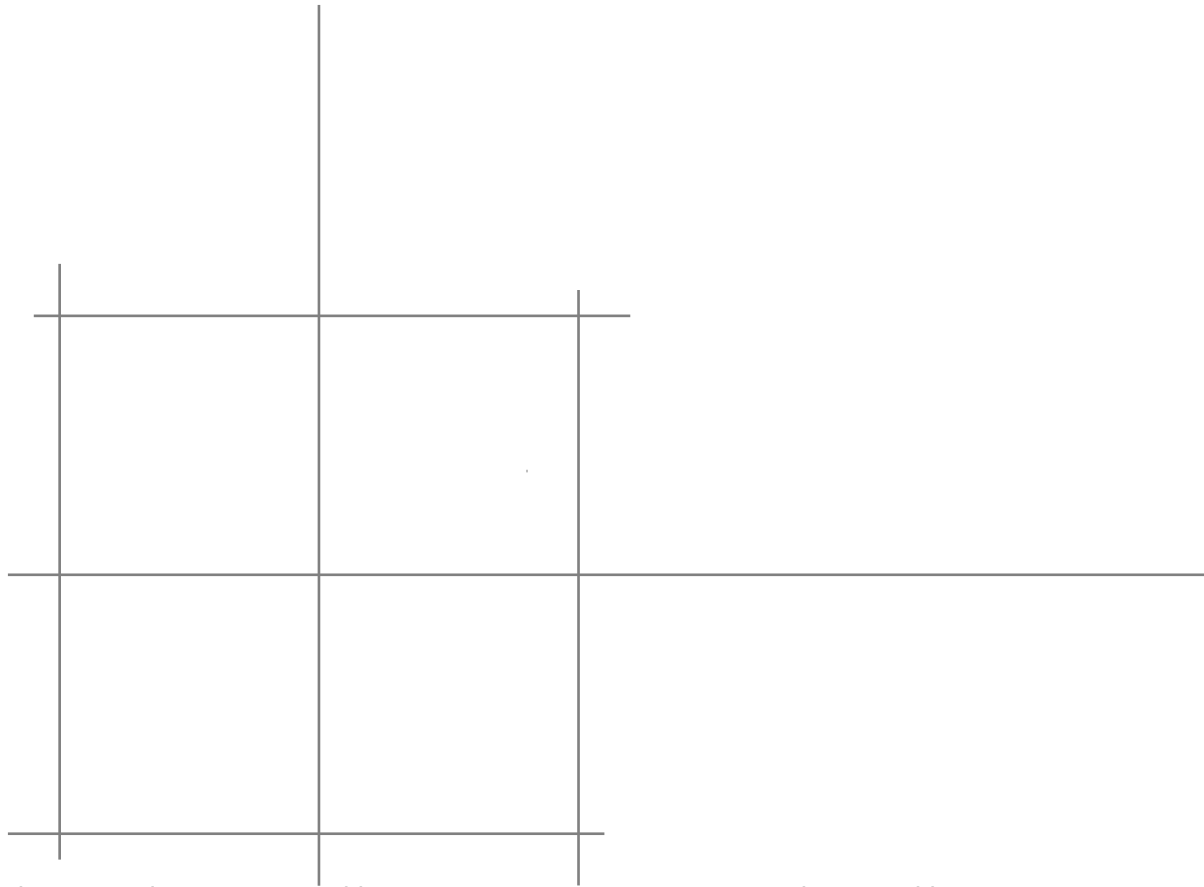
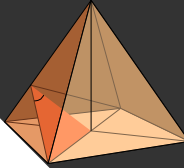


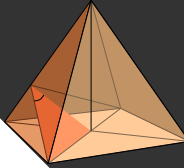
$$r = a/2$$

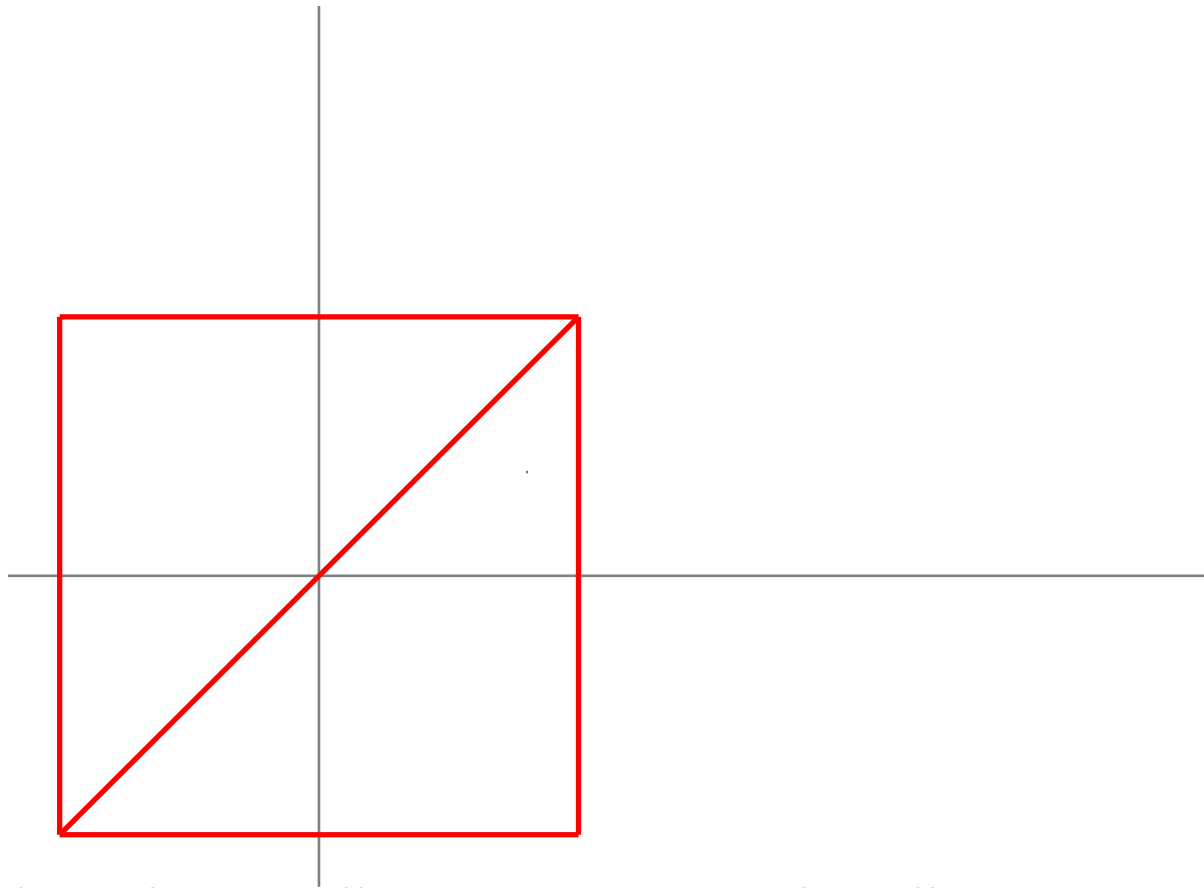
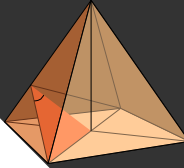




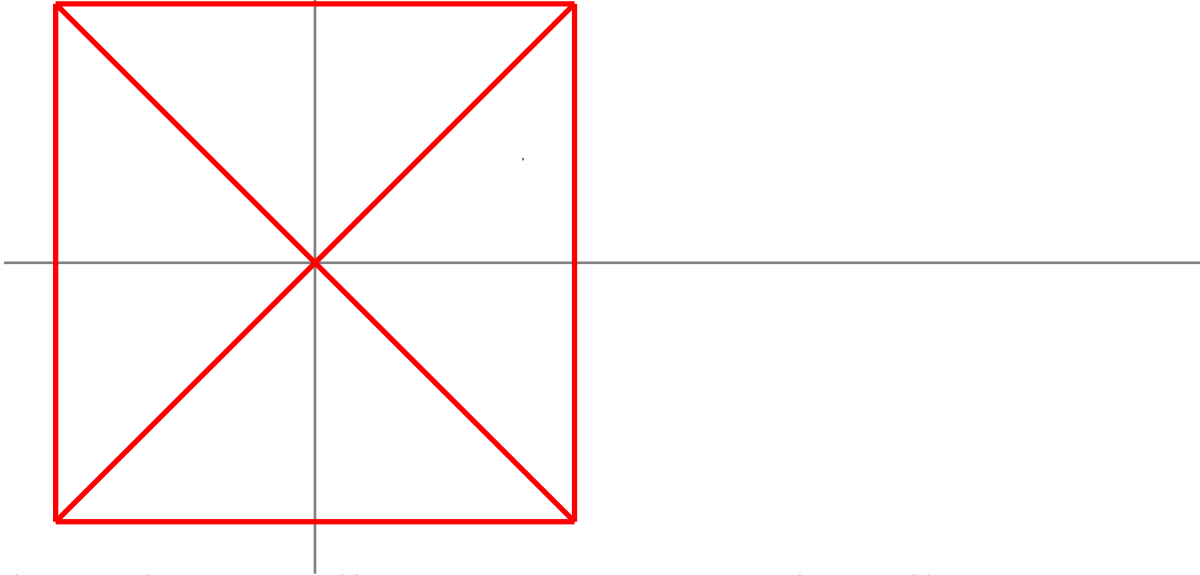
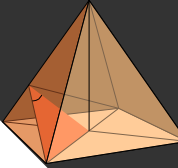


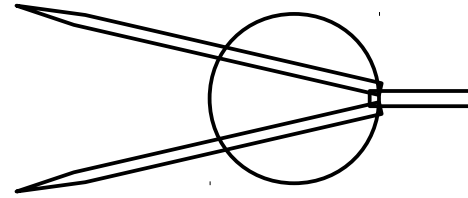
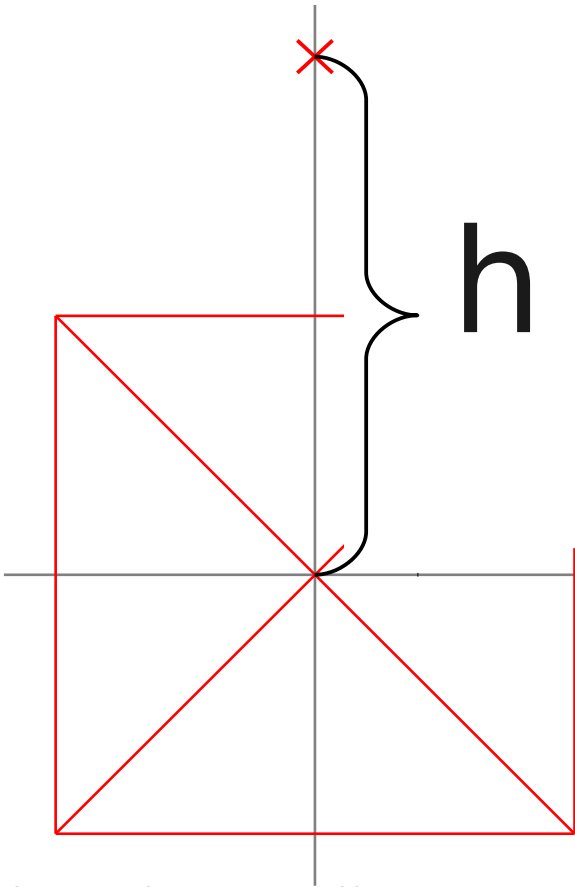
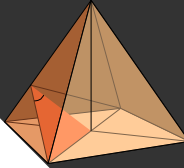




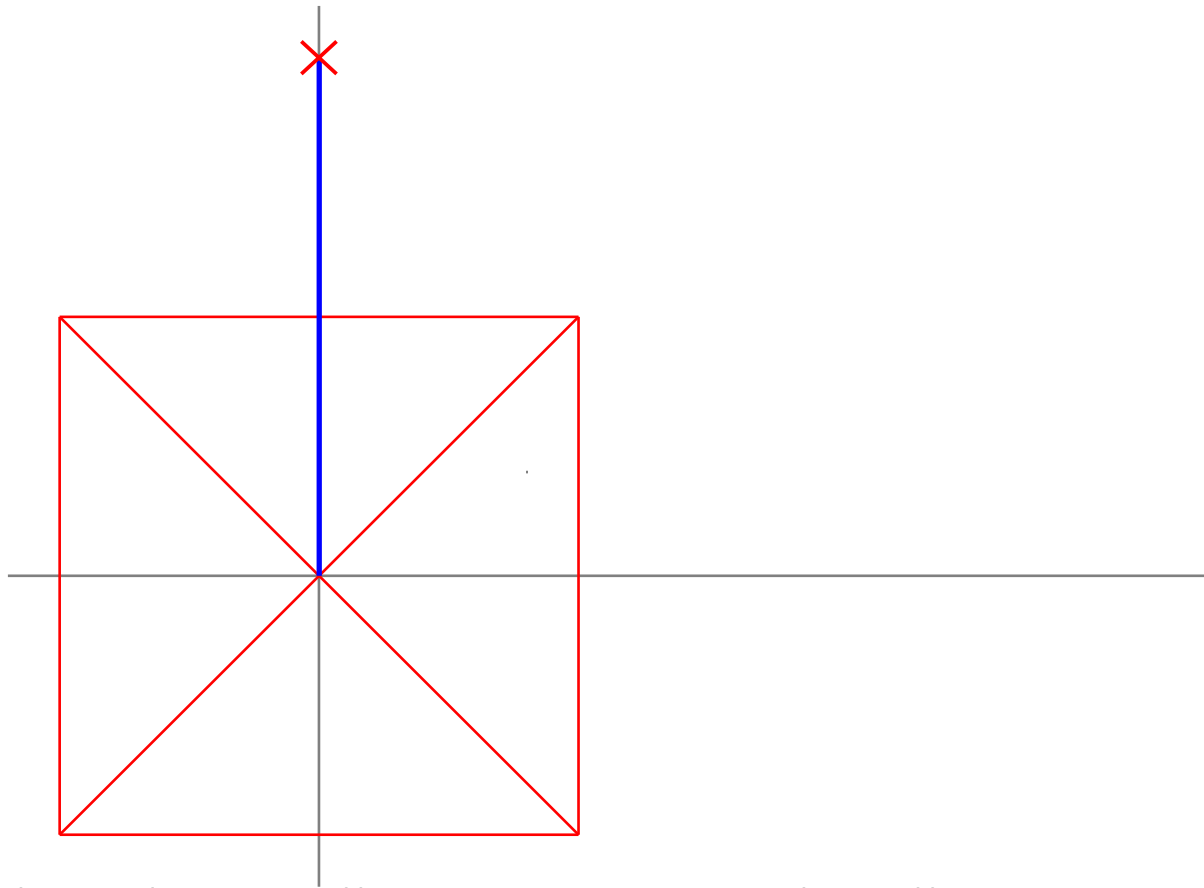
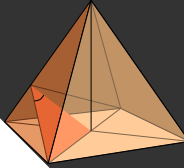


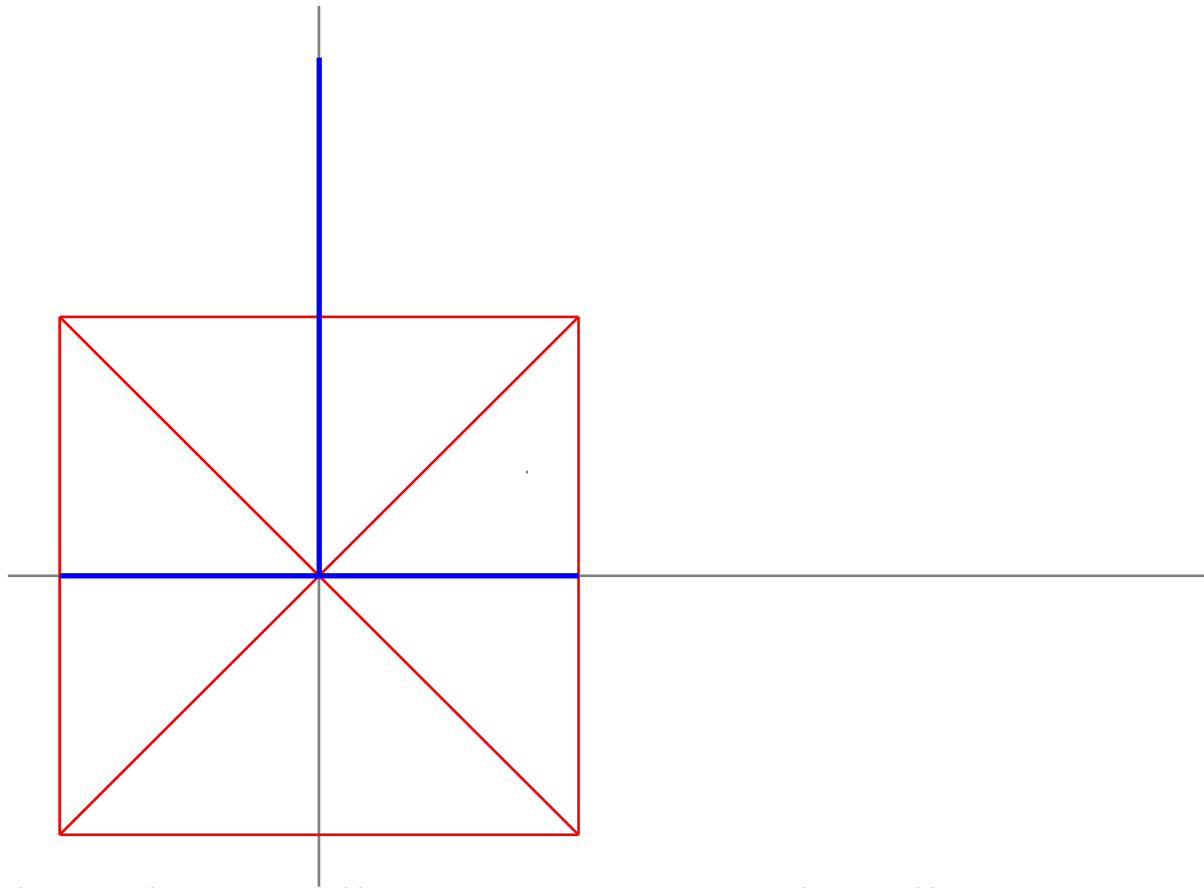
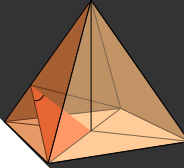
Draufsicht

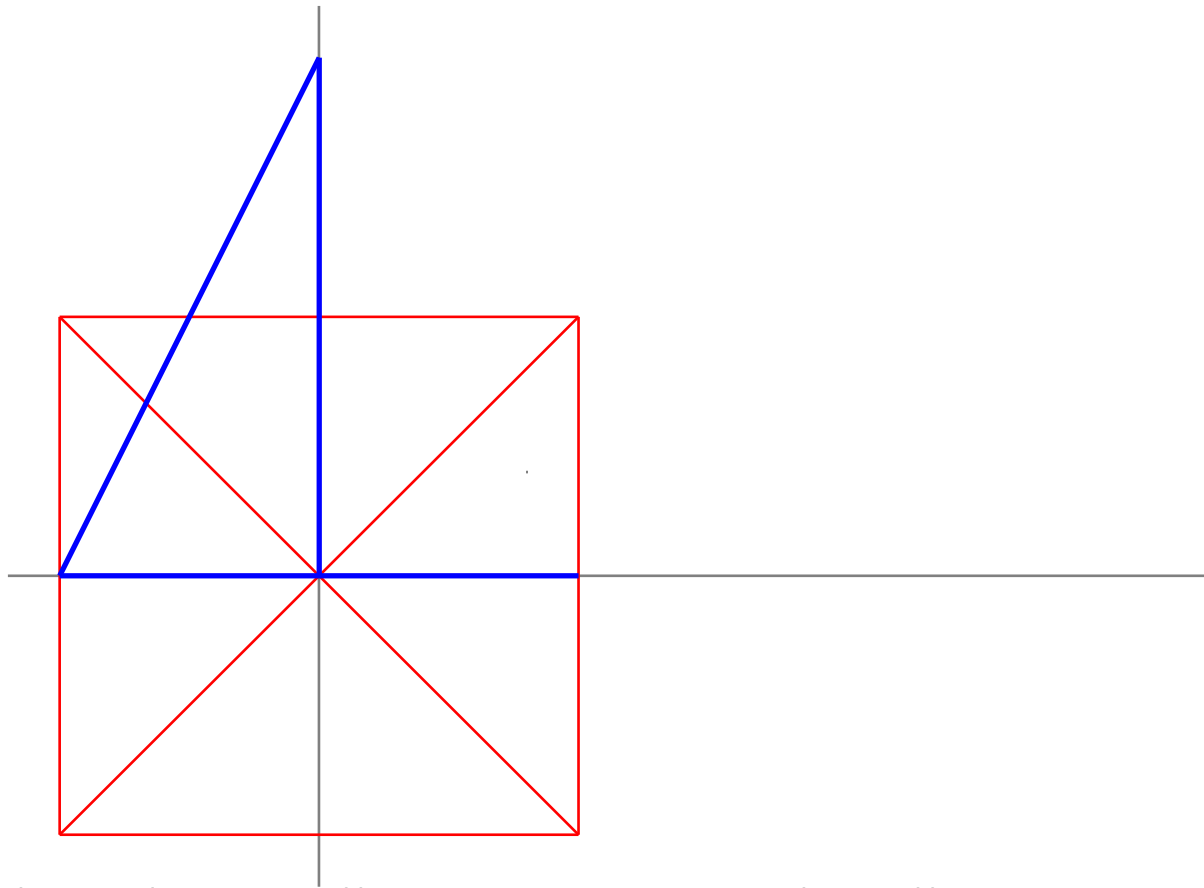
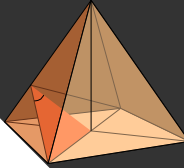


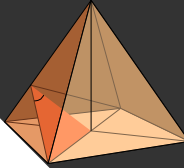


Zeichnen des
Schnittes
durch die Mitte

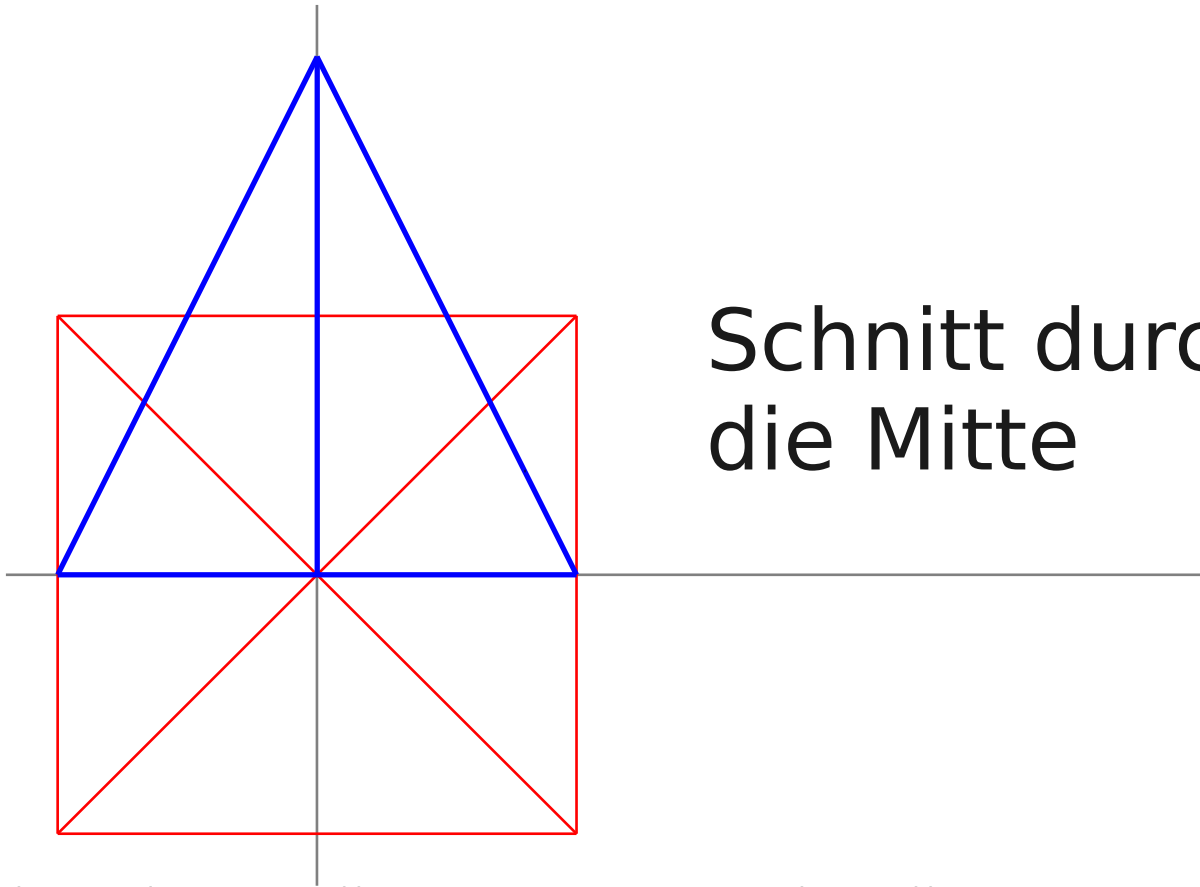


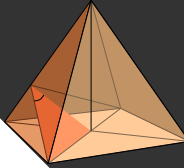




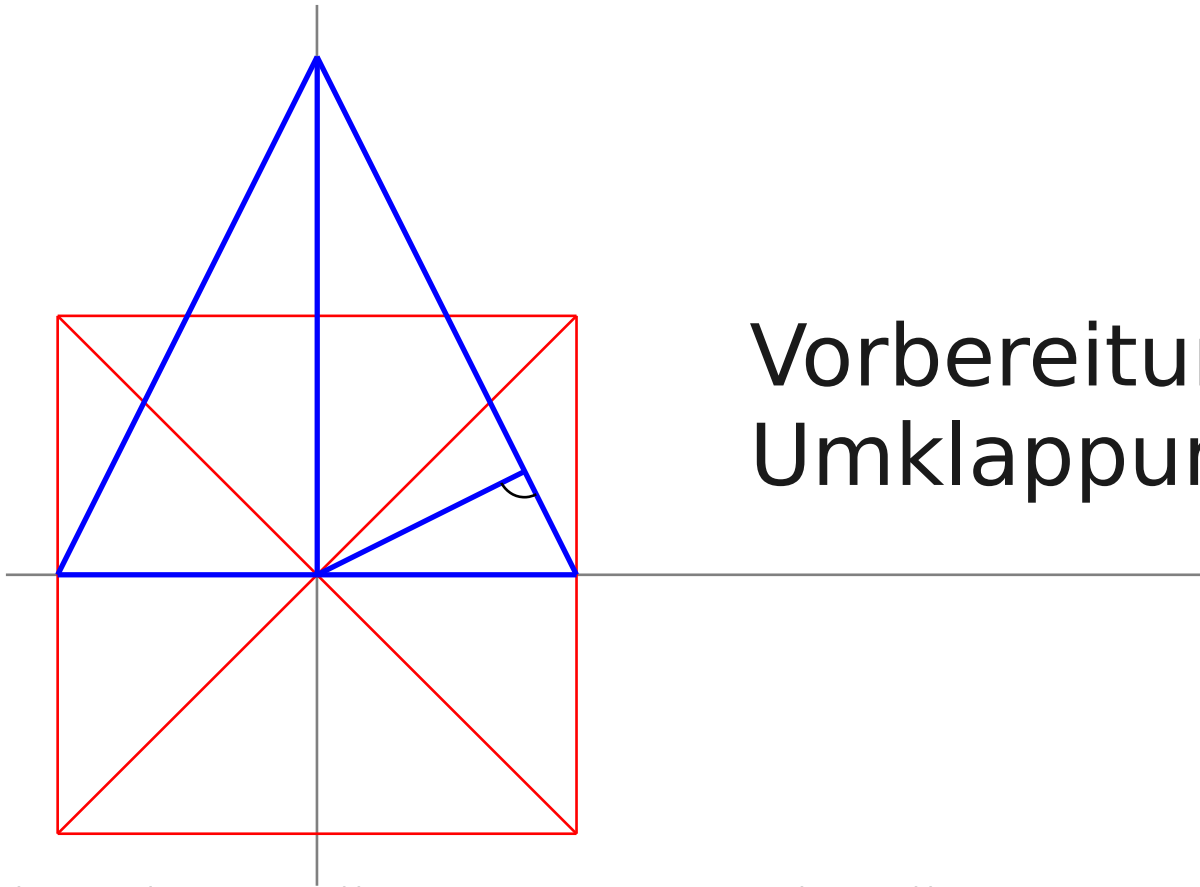


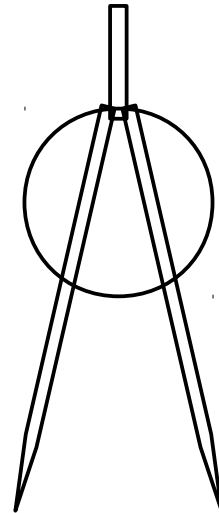
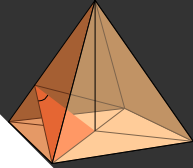
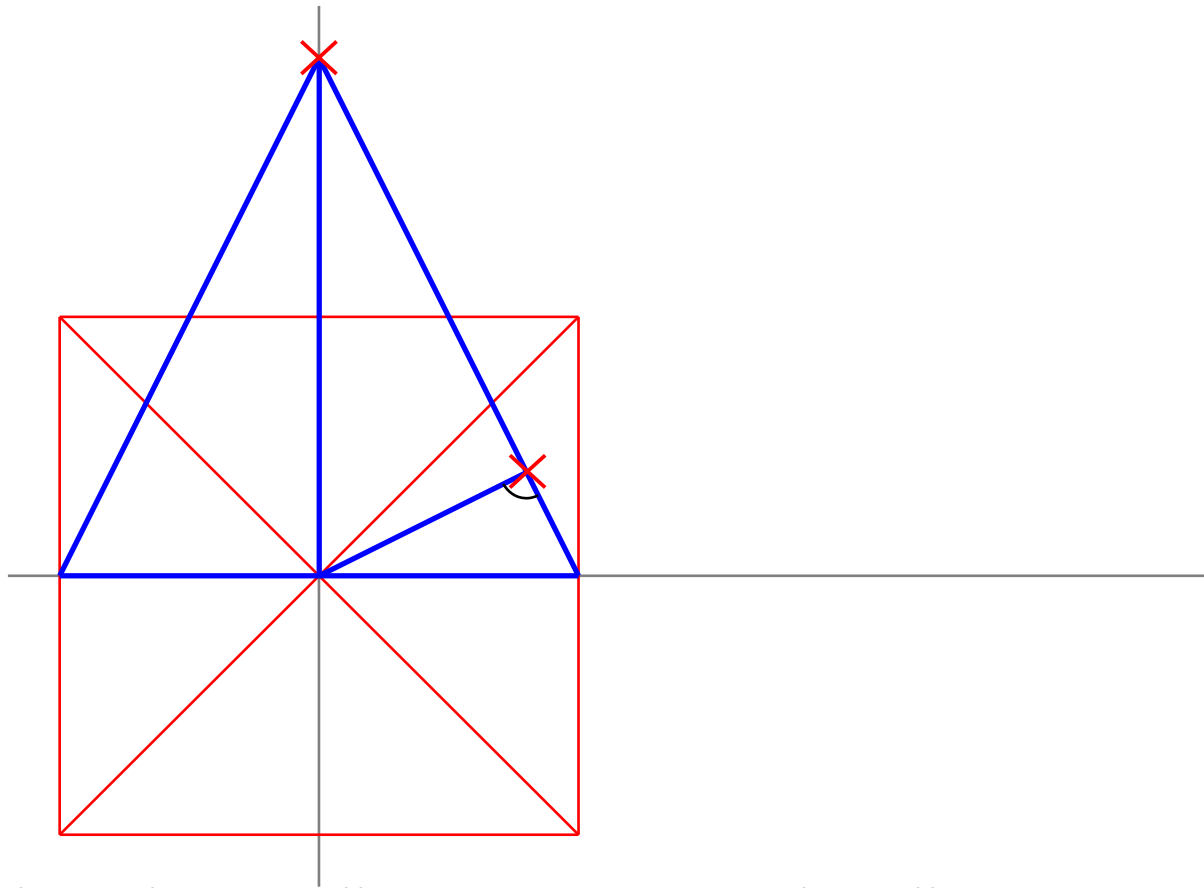
Schnitt durch die Mitte

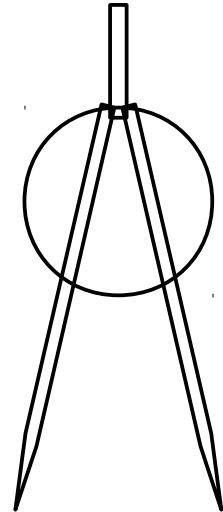
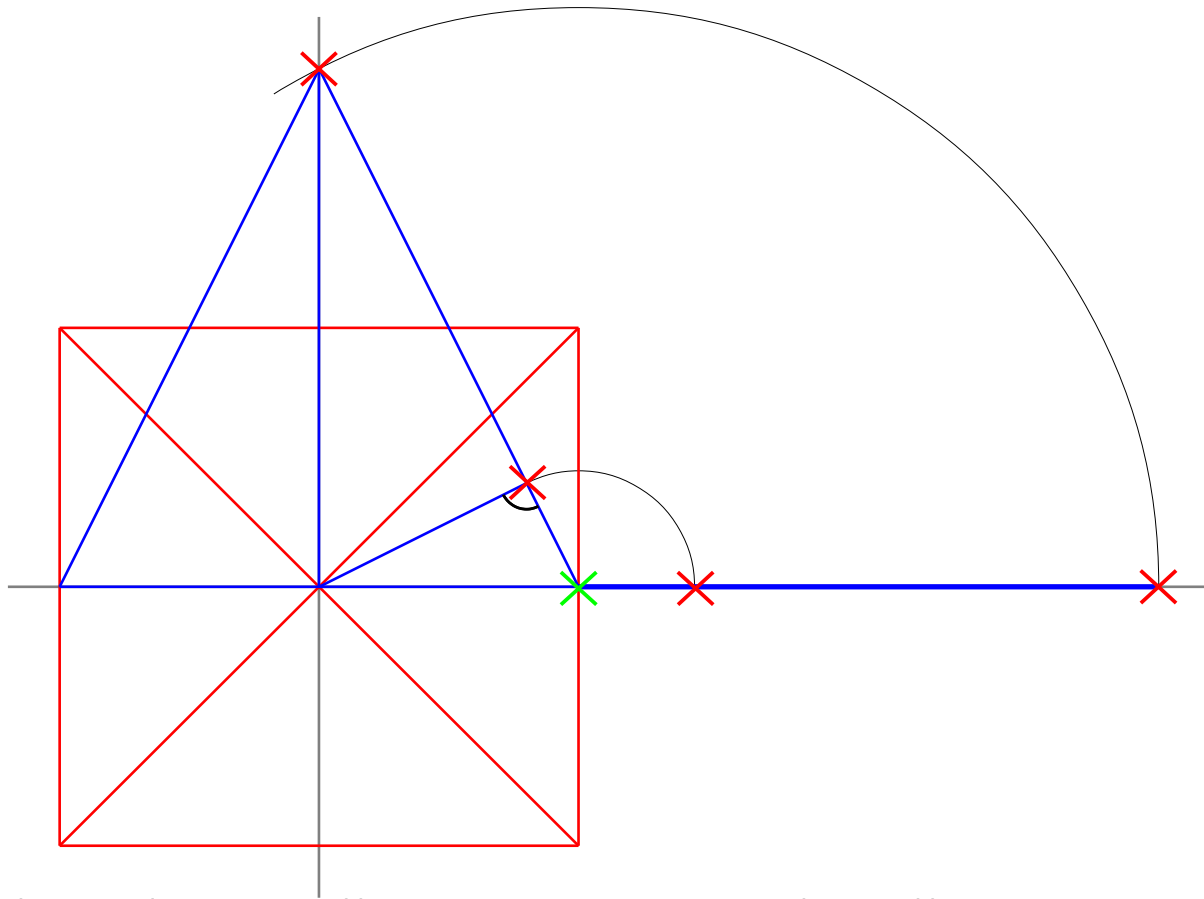
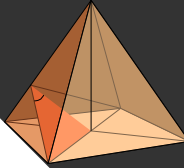


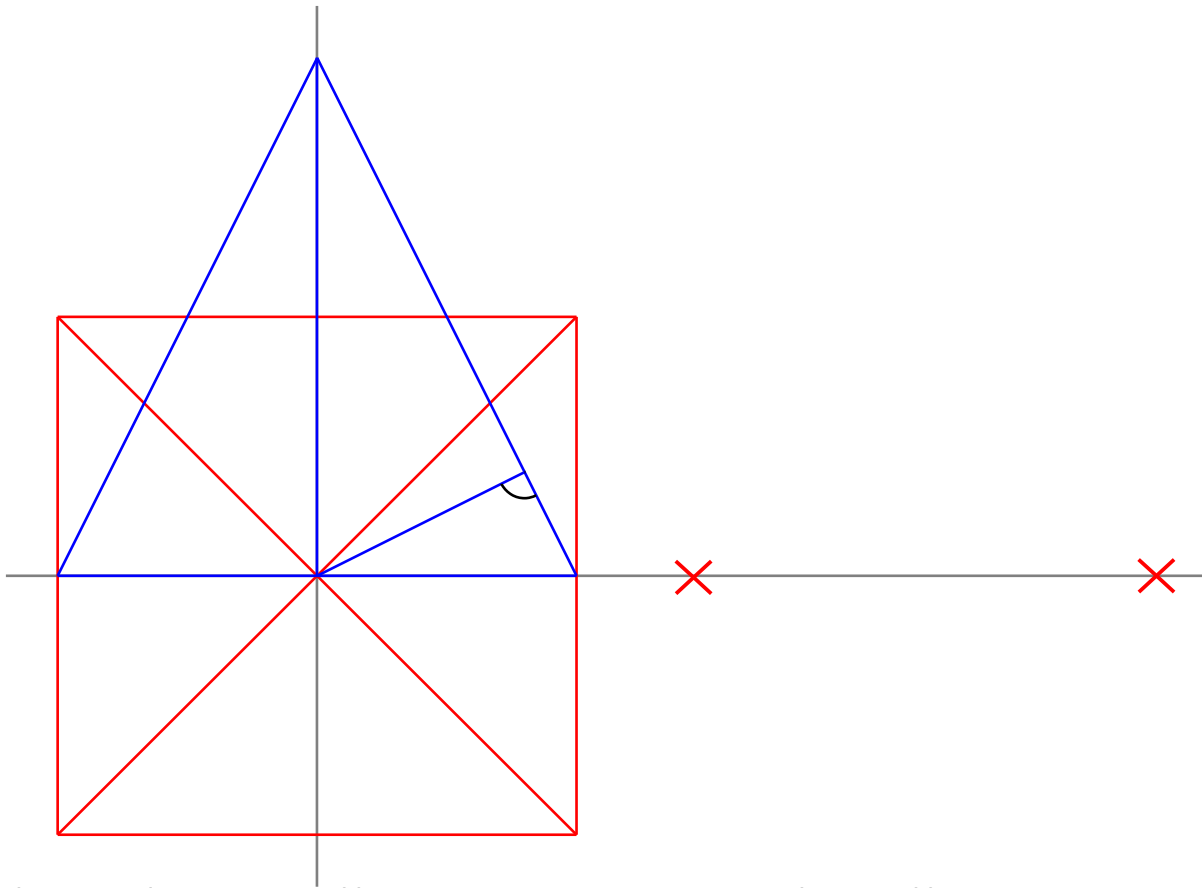
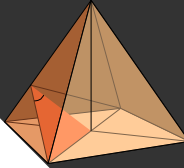


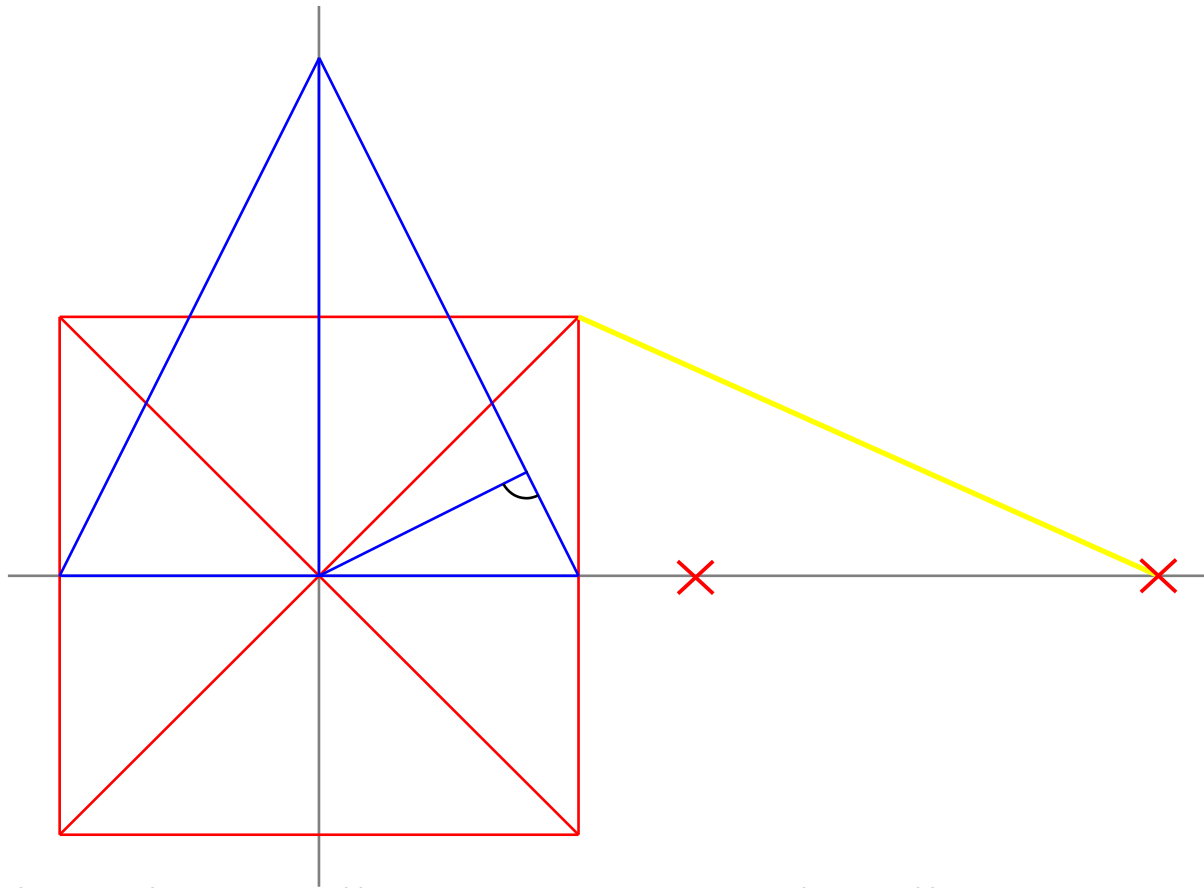
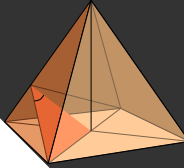
Vorbereitungen zur Umklappung

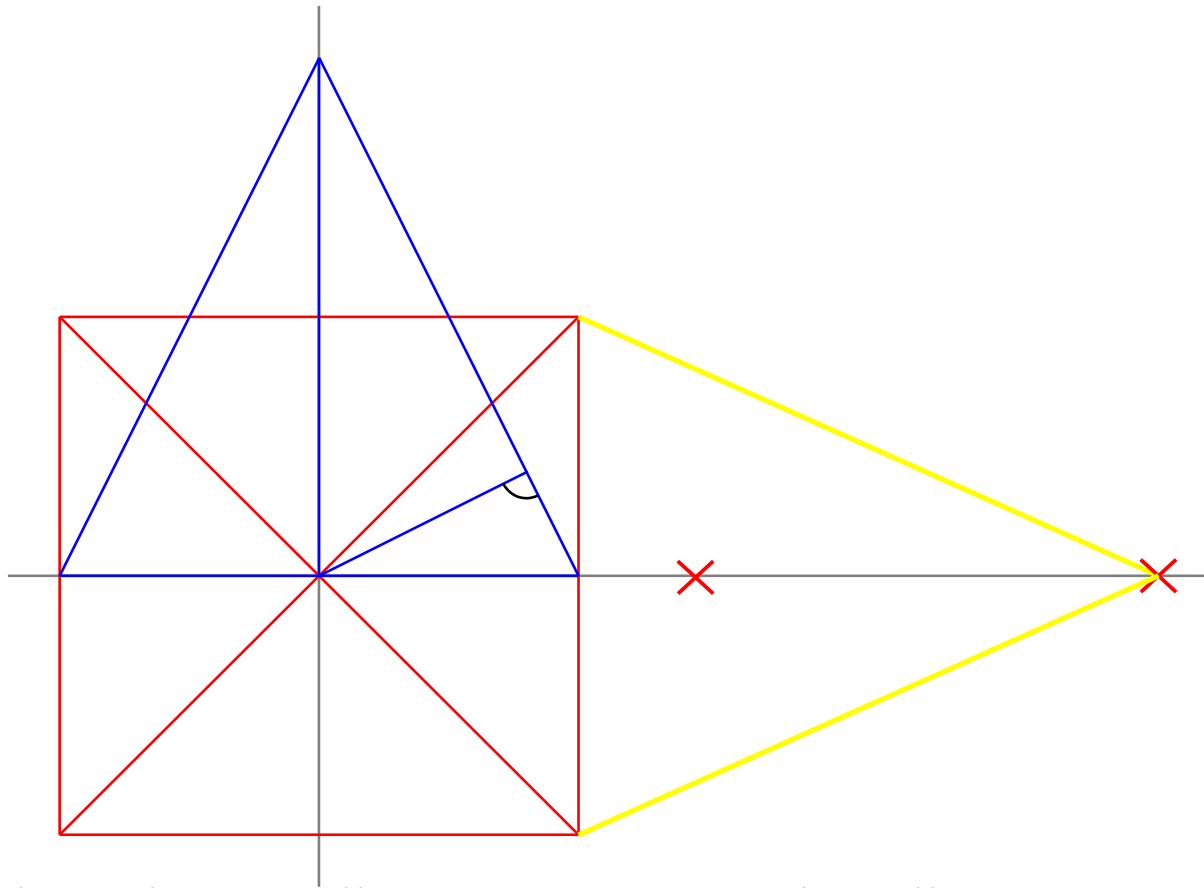
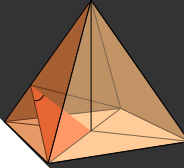


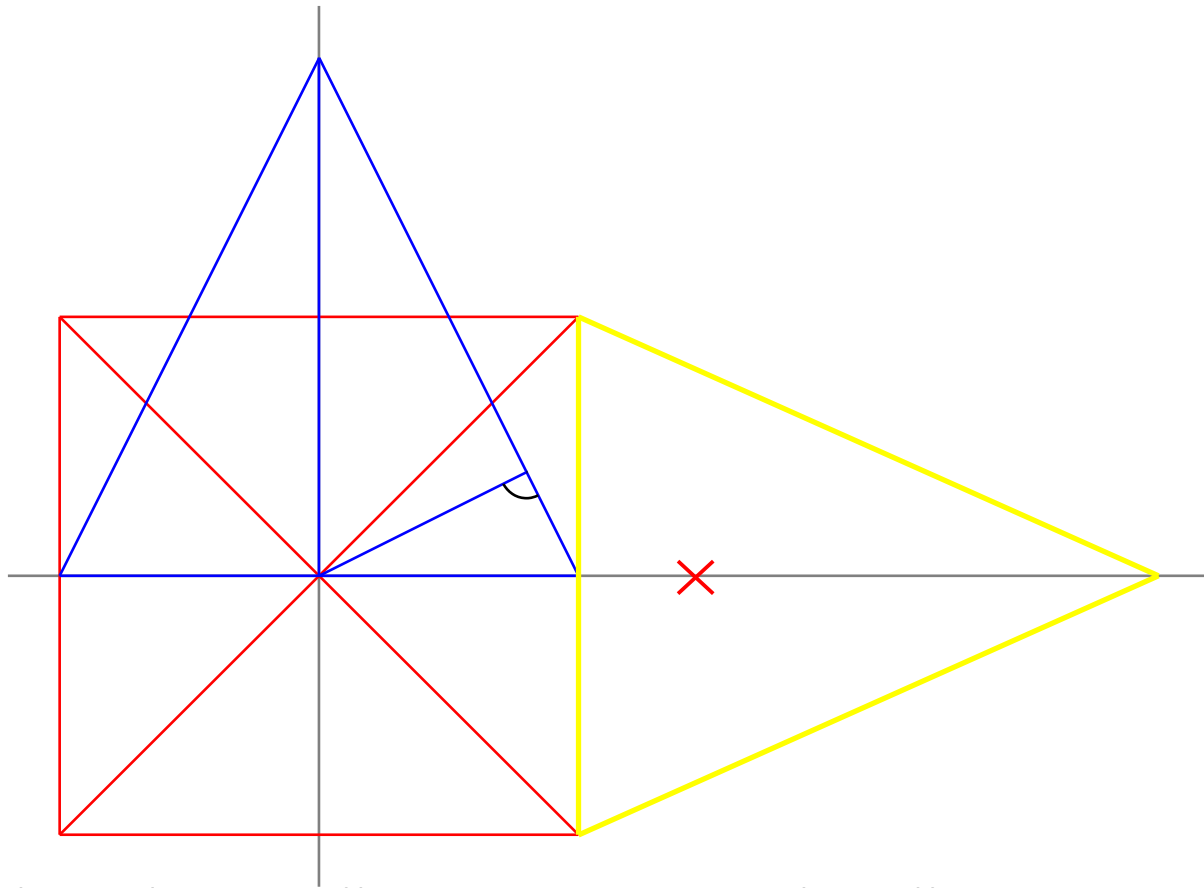
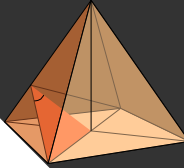


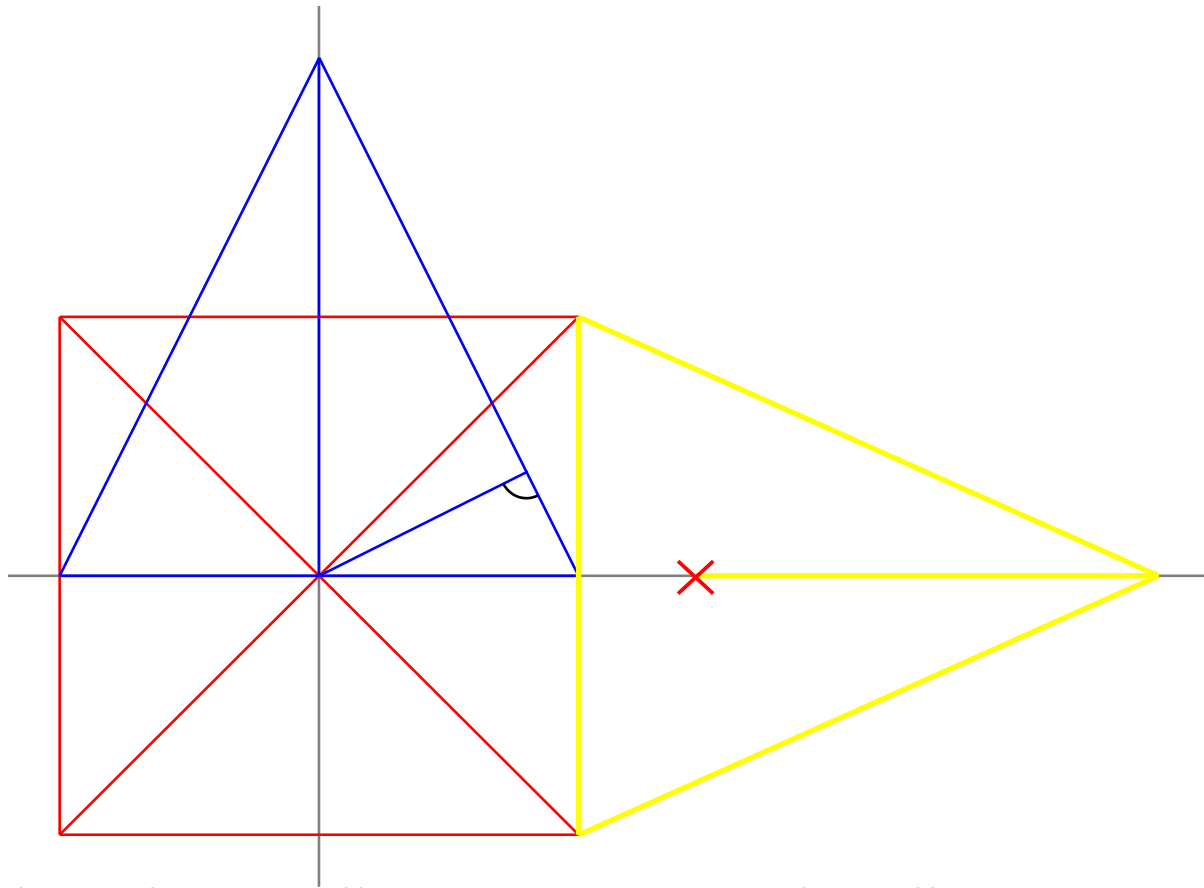
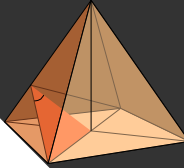


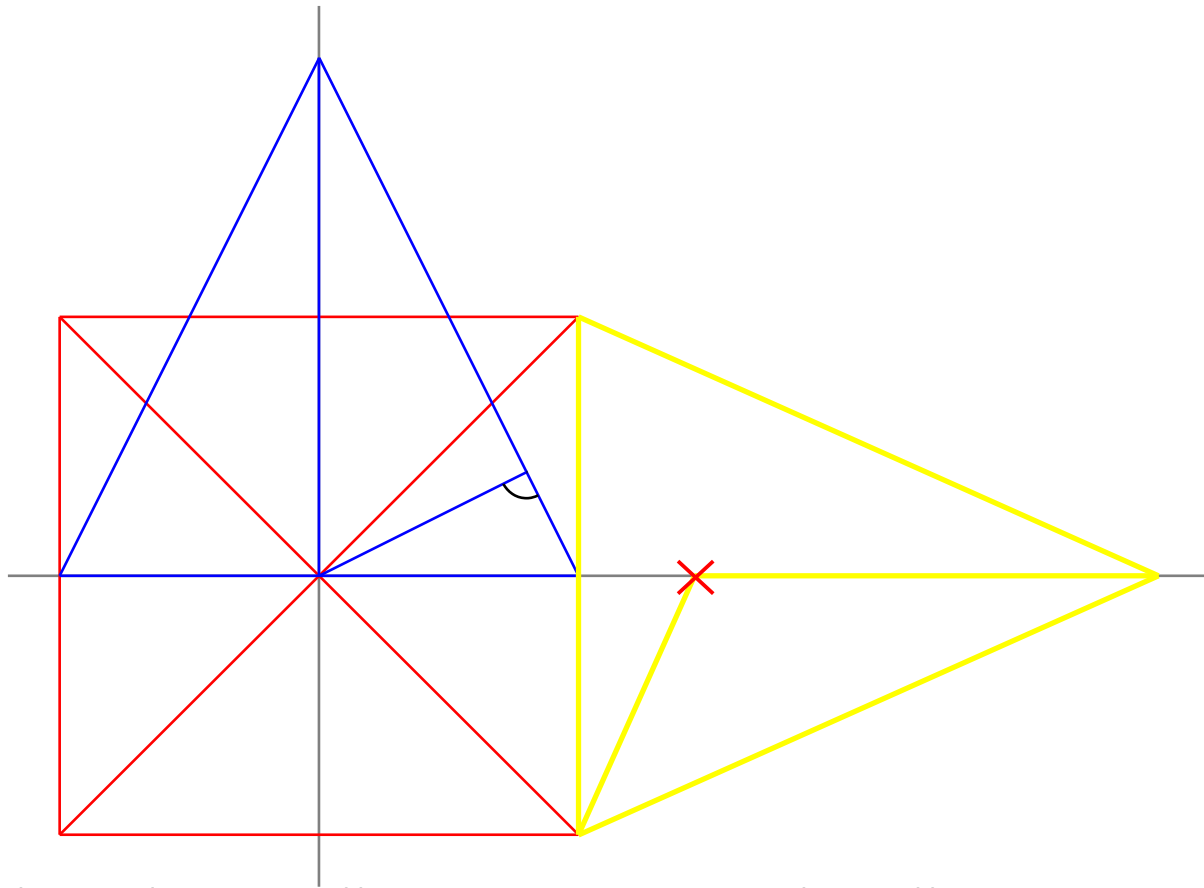
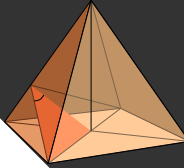


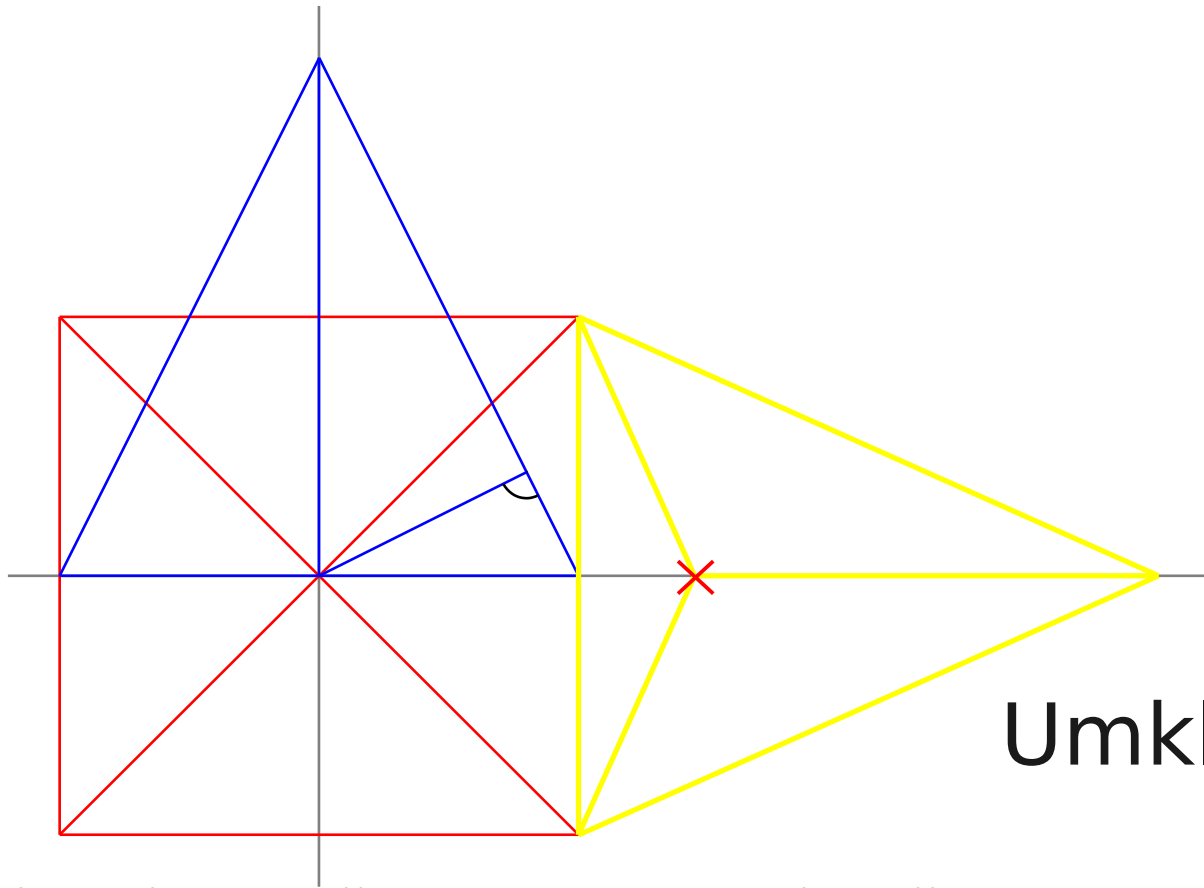
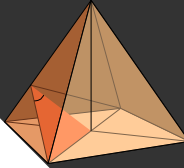






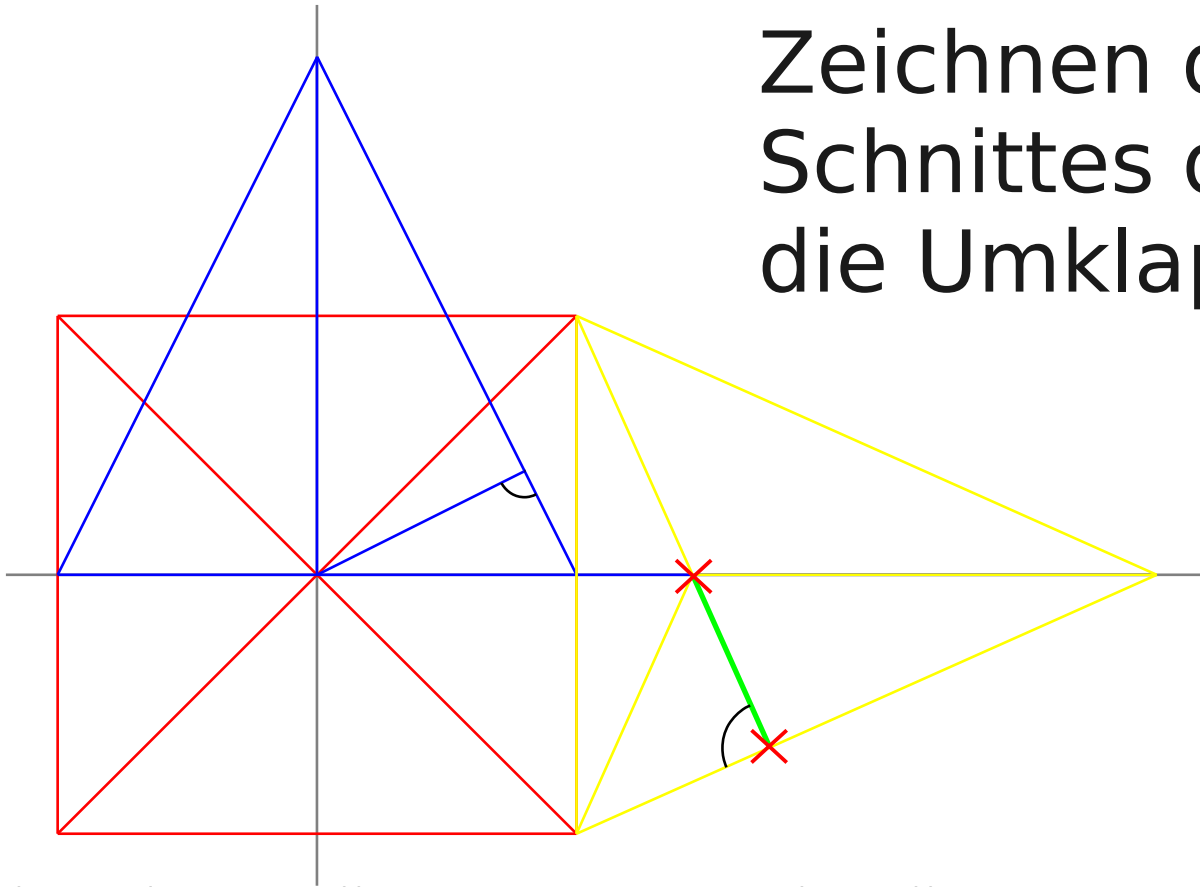
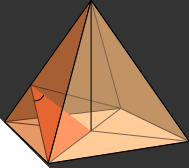


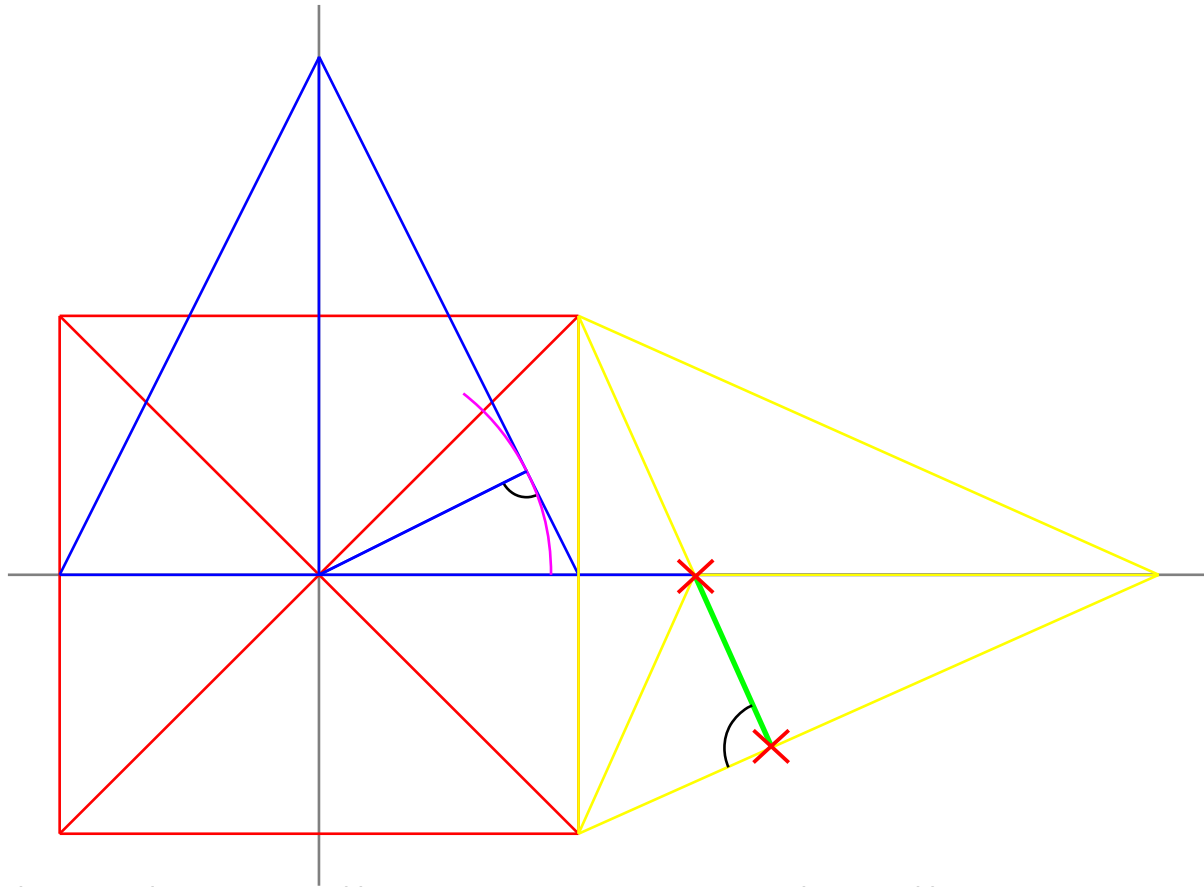
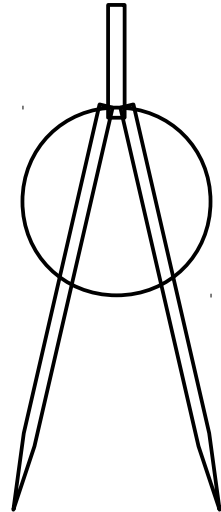


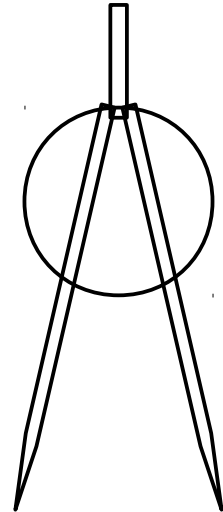
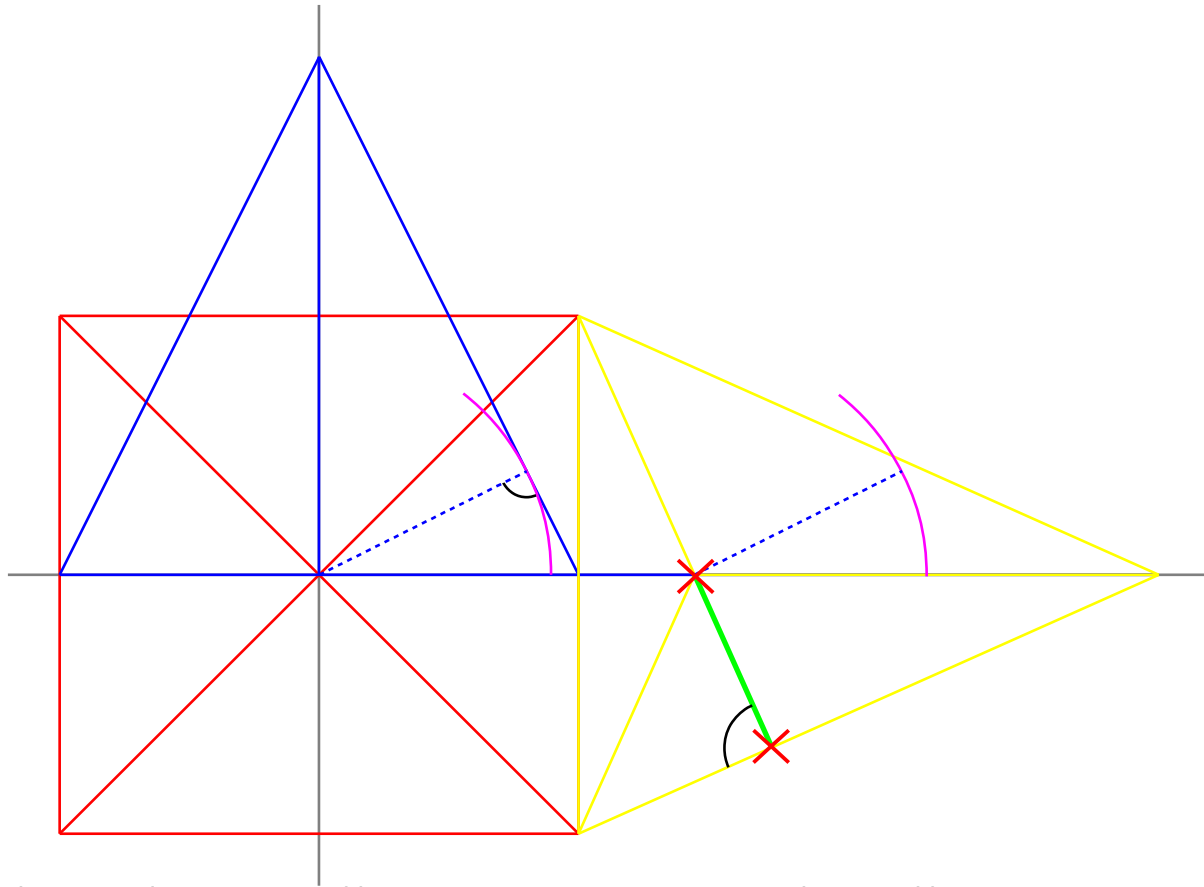
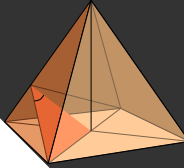


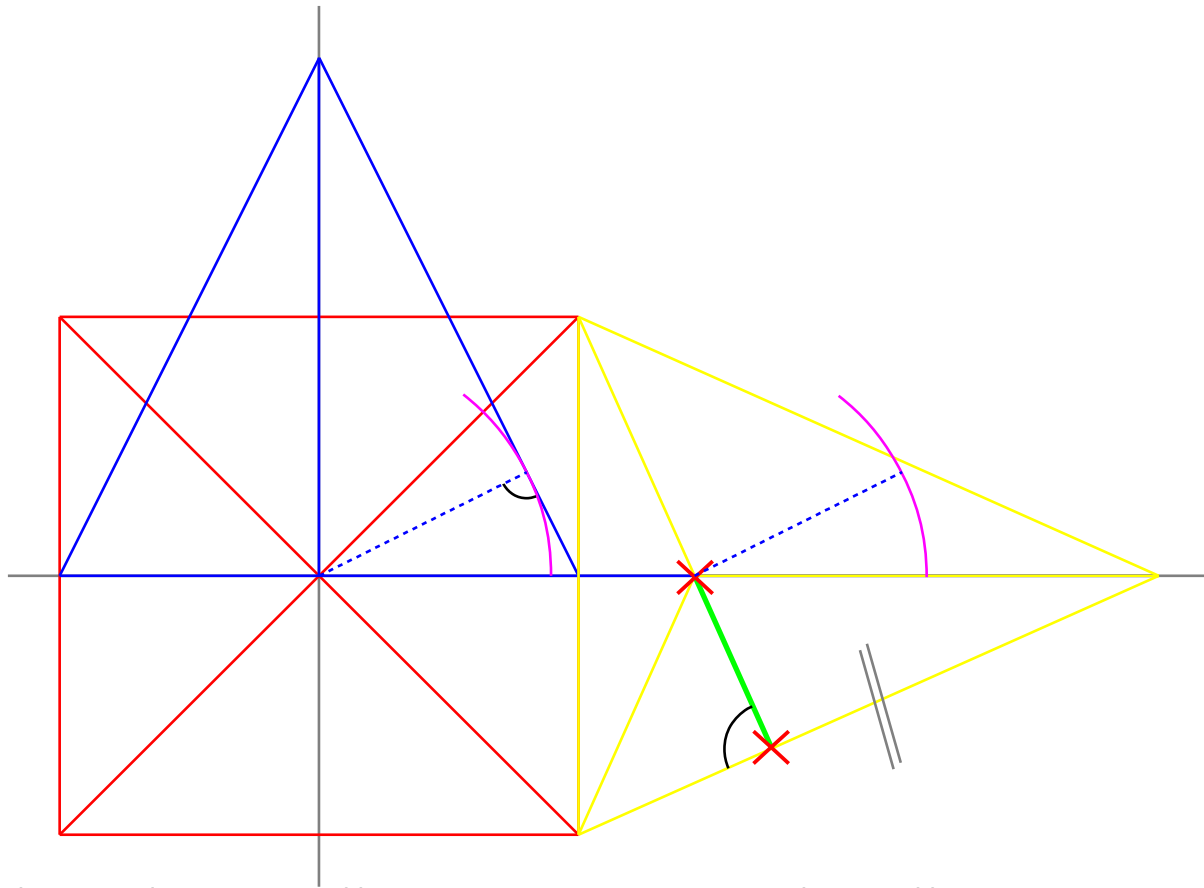
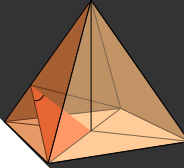
Umkloppung

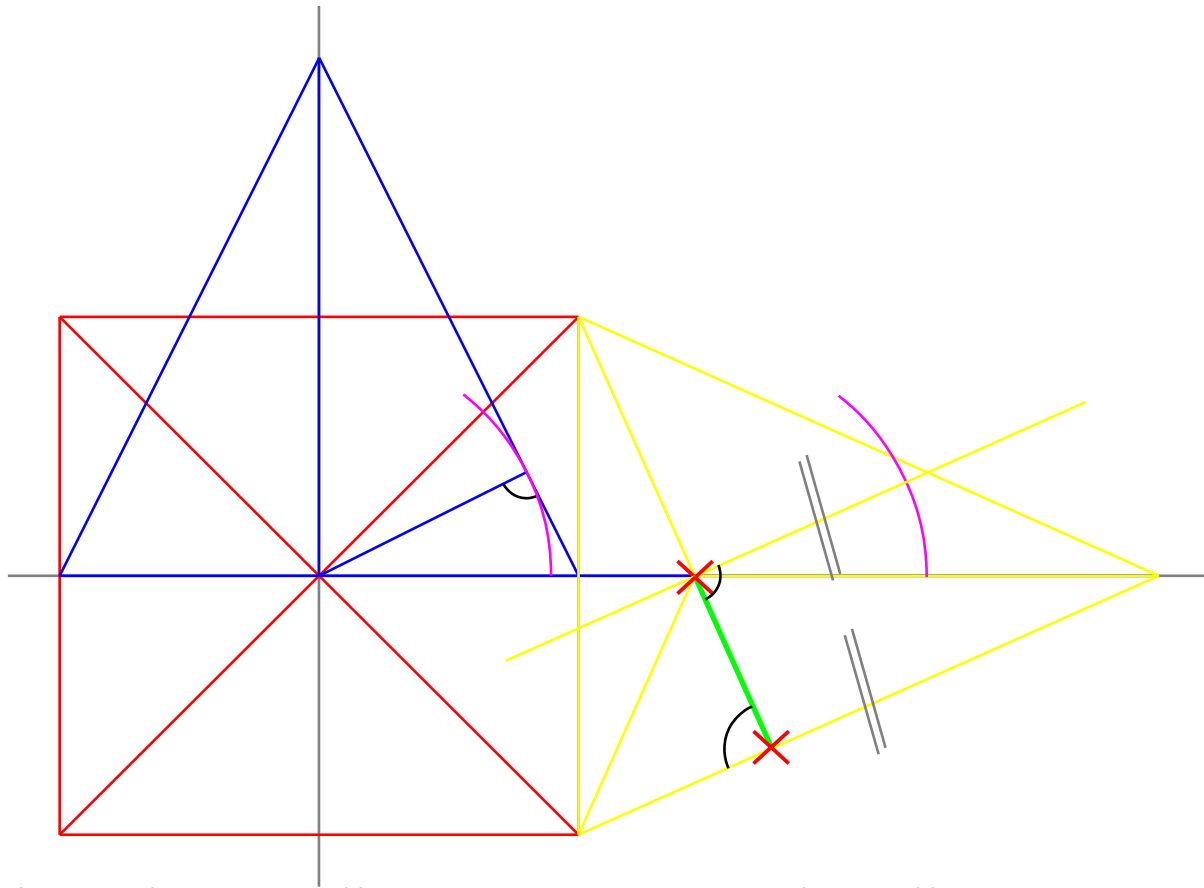
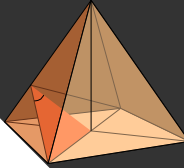
Zeichnen des Schnittes durch die Umklappung

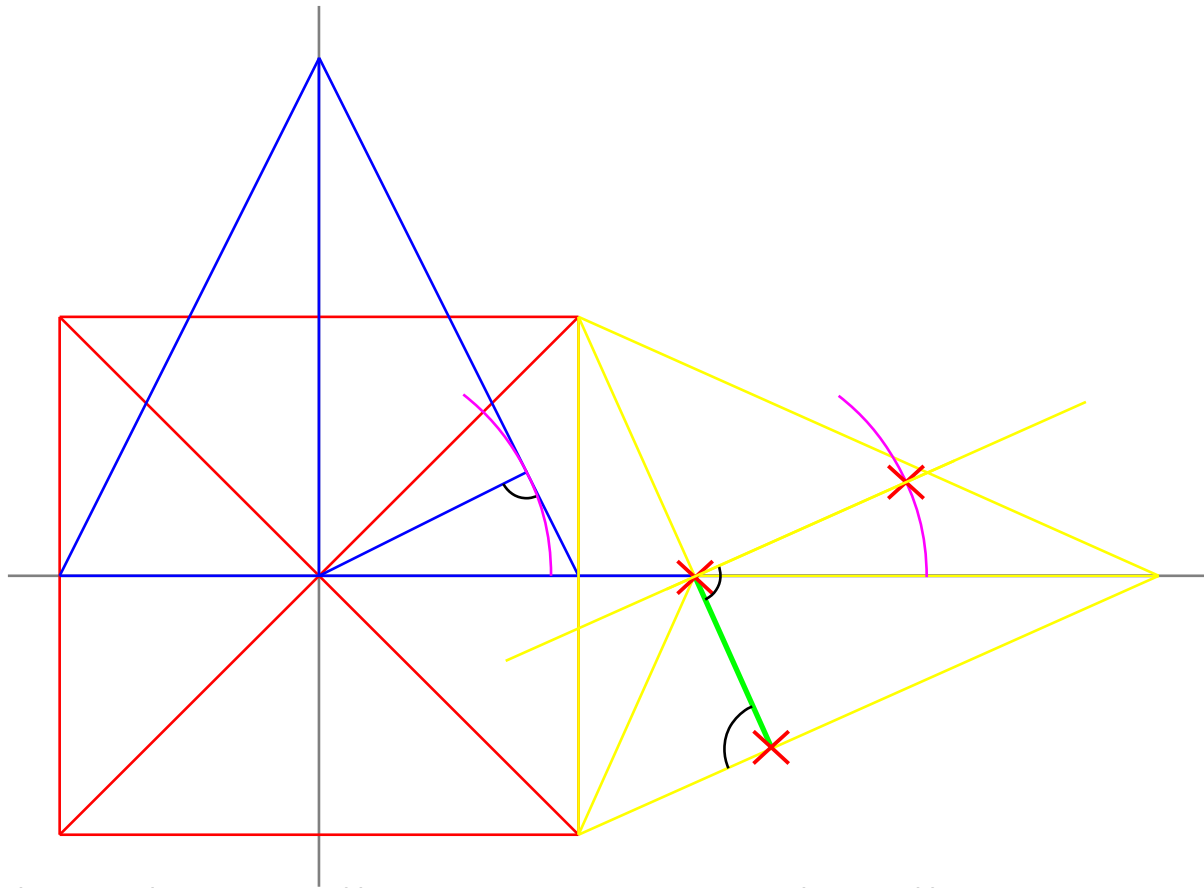
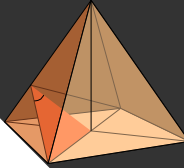


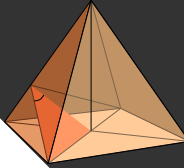




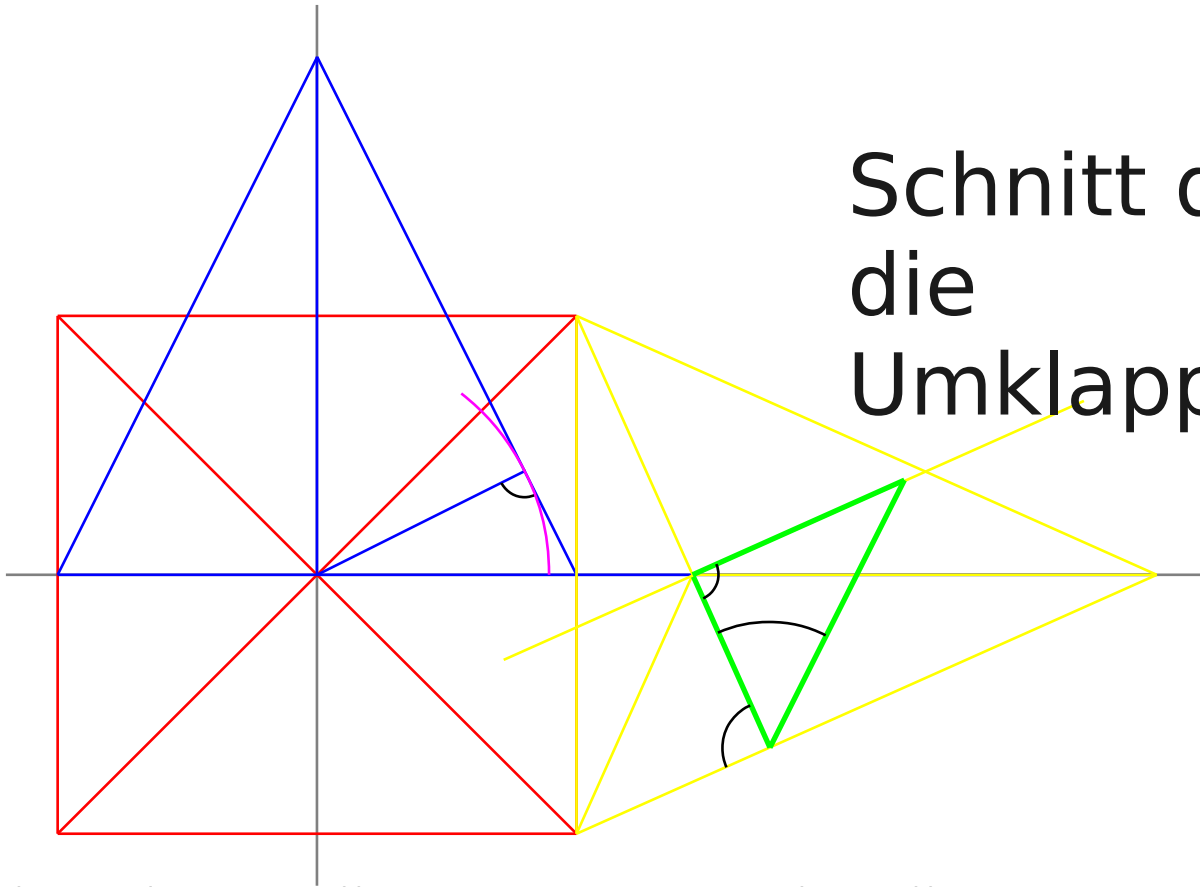


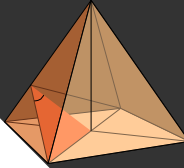






Schnitt durch die Umklappung





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.

