

## ■ 2D-GEOMETRIE

### RAUMOBJEKTE

- Grundobjekte des Raumes
- Reale und virtuelle Modelle

### ORIENTIERUNG/ MASS-SYSTEME

- Koordinatensysteme

### RAUMTRANSFORMATIONEN

- Elementare Transformationen
- Abwicklungen >> Netze



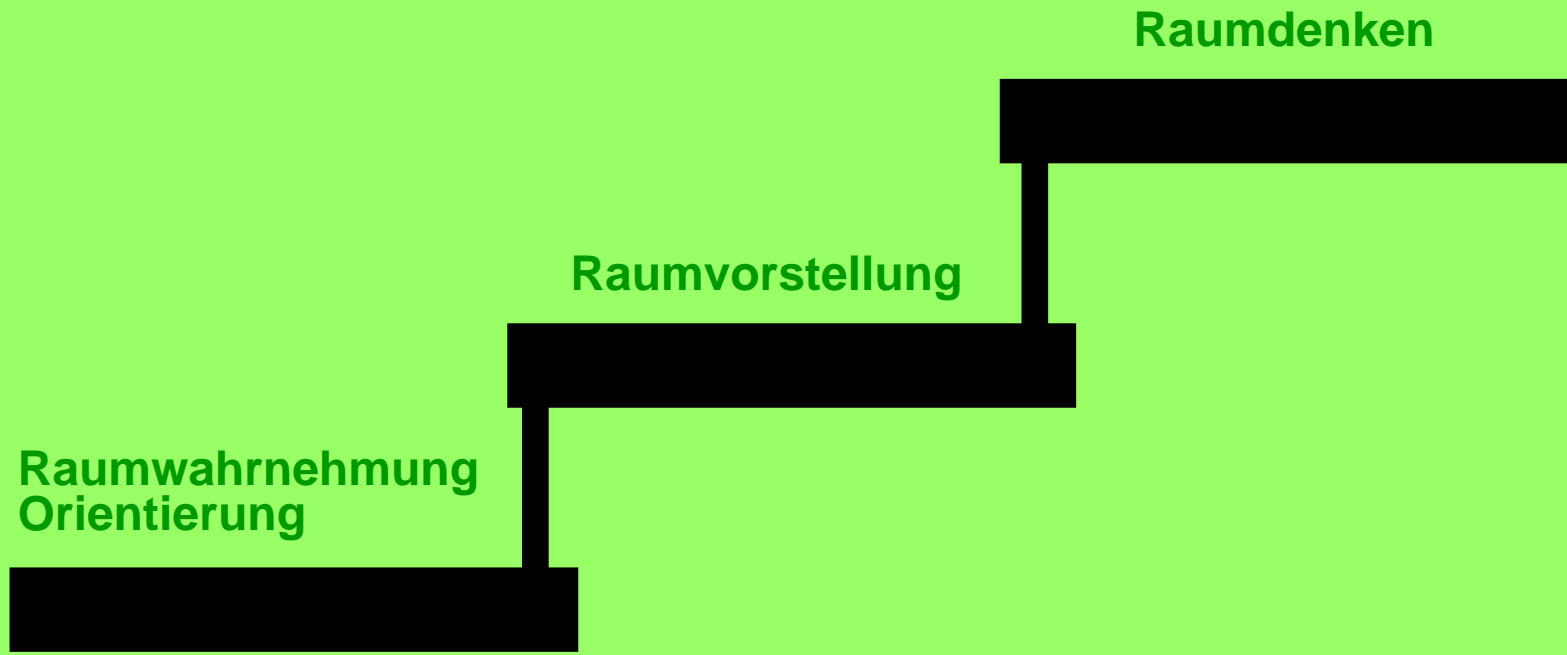
### PROJEKTIONEN UND RISSE

- Parallelprojektion, Axon. Risse
- Normalprojektion, Hauptrisse
- Perspektive

### KONSTRUKTIONEN

- Elementare Aufgaben
- Technische Zeichnungen  
(Werkzeichnungen, Baupläne...)

SPRACHKOMPETENZ

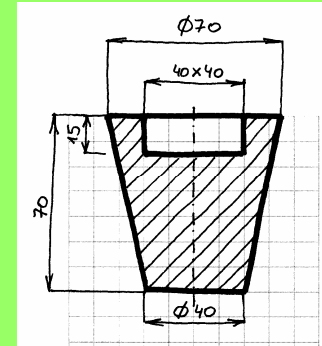
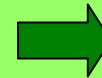


# RAUMGEOMETRIE UND CAD

SEKUNDARSTUFE 1

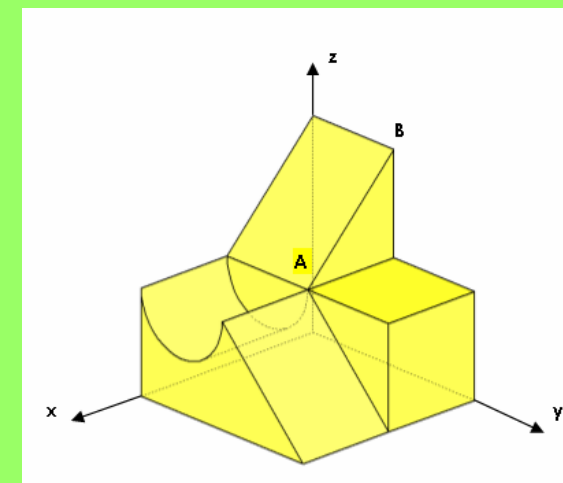
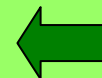
Ein Drehkegelstumpf – auf dem Kopf stehend – hat den Basiskreisdurchmesser 70, Deckkreisdurchmesser 40 und die Höhe 70. Oben befindet sich eine quadratische Vertiefung mit Kantenlänge 40 und Tiefe 15.

Ermittle: Maßskizze mit Vollschnitt



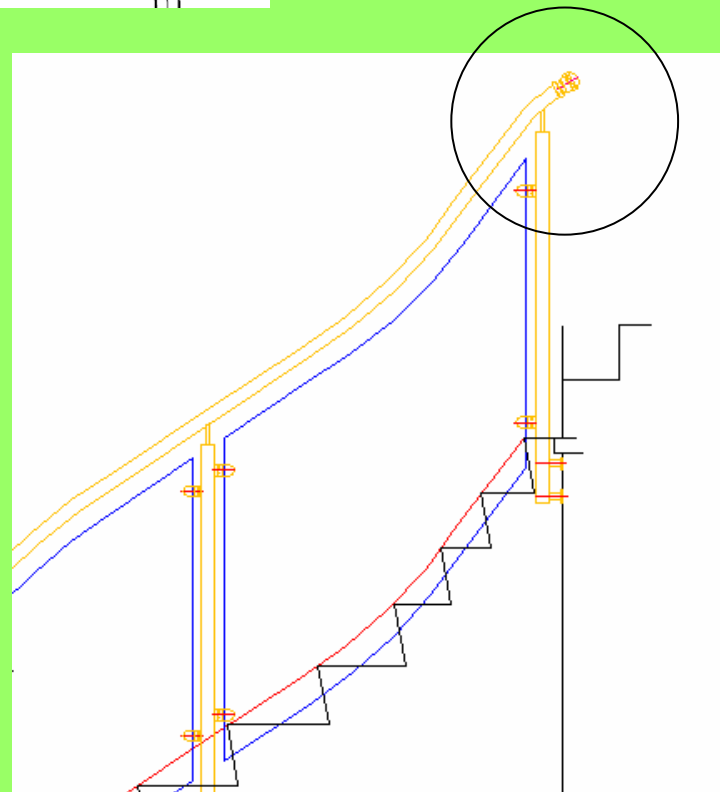
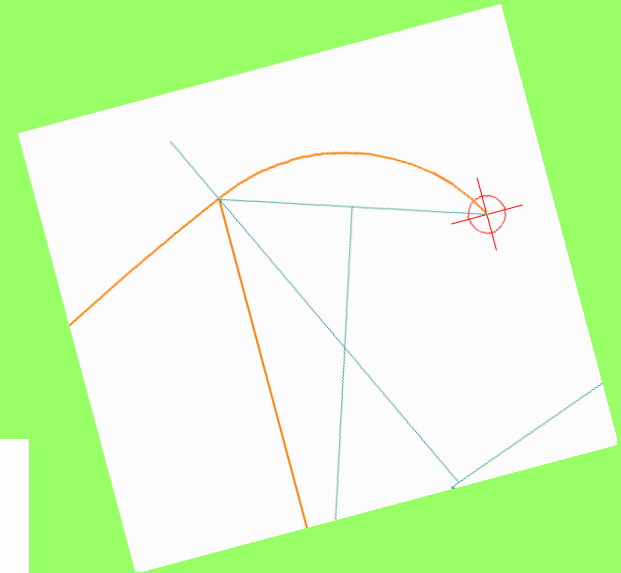
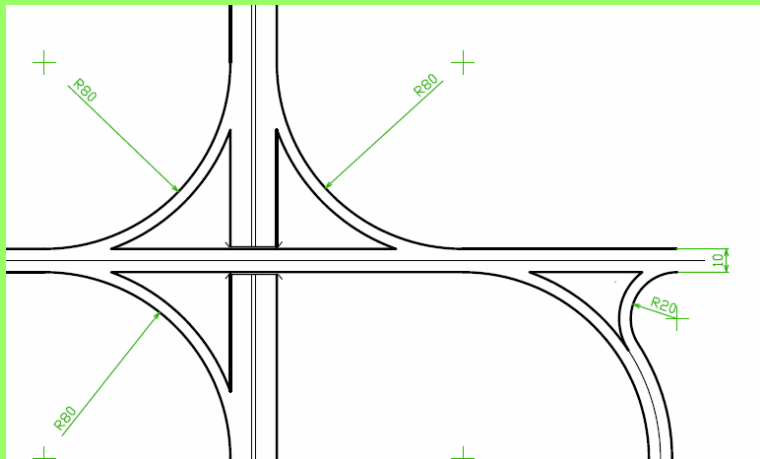
Der zusammengesetzte Körper besteht aus folgenden Grundformen:

- + Quader (1x2x1) unten hinten
- + Keil hinten-links-oben, Schräge nach vorne abfallend
- ...

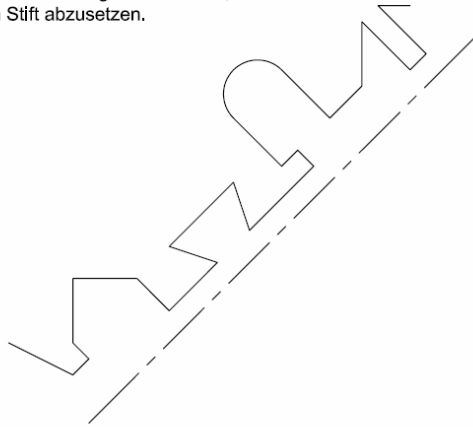


# RAUMGEOMETRIE UND CAD

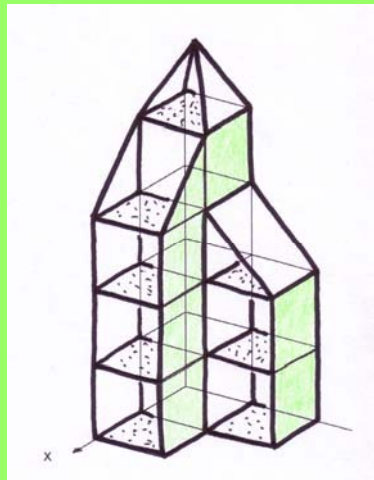
SEKUNDARSTUFE 1



Spiegle den Linienzug an der Achse, ohne den Stift abzusetzen.

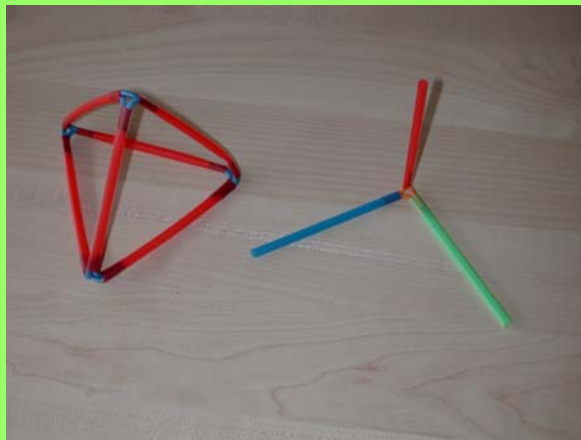
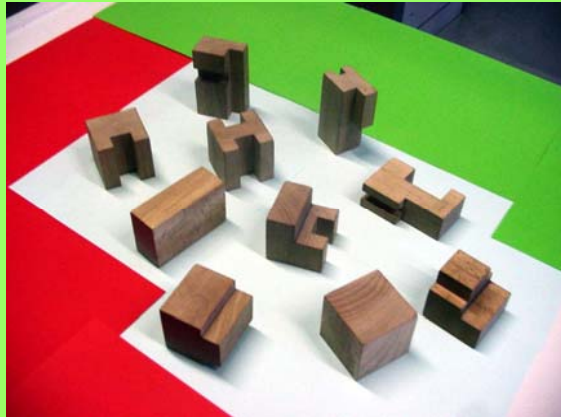


Zeichne Quadrate verschiedener Größe ein, deren Seiten zu den Rechteckseiten parallel sind. Die Seiten benachbarter Quadrate sollen nicht zusammen fallen. Belege einige Felder mit 45°-Schraffur.



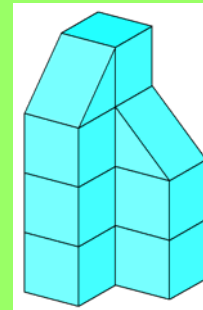
# RAUMGEOMETRIE UND CAD

SEKUNDARSTUFE 1

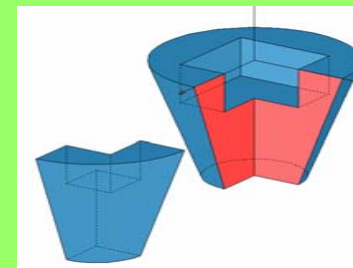


# RAUMGEOMETRIE UND CAD

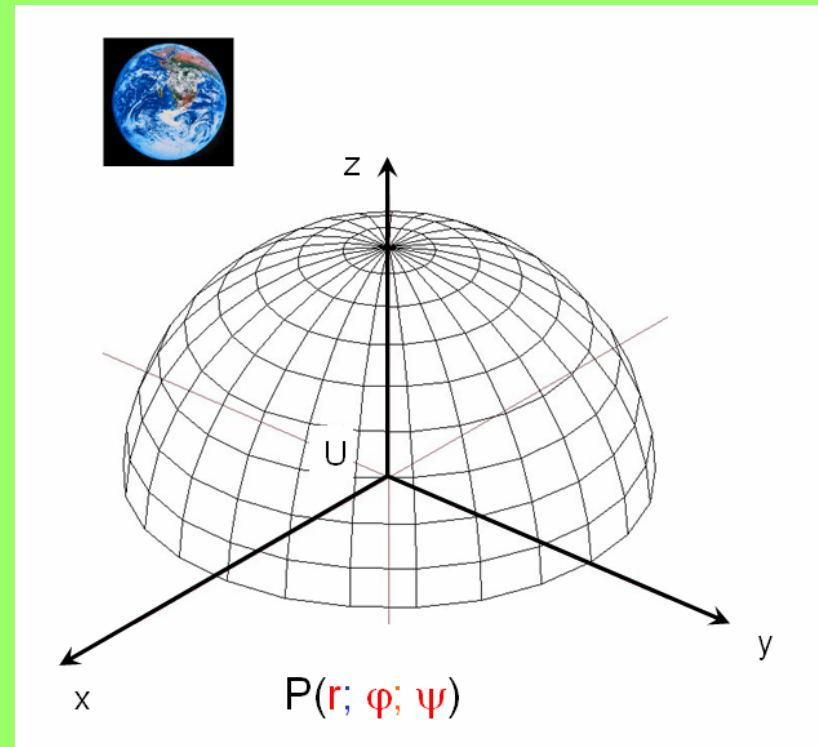
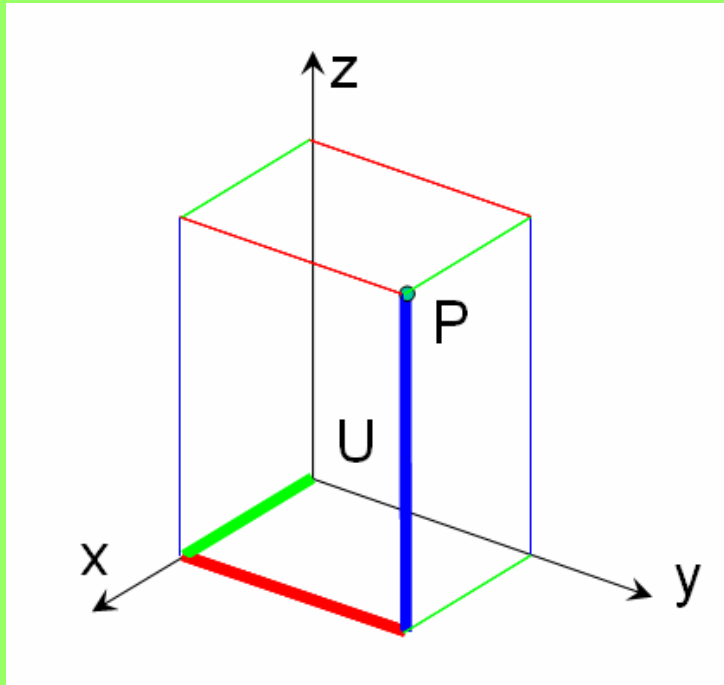
SEKUNDARSTUFE 1



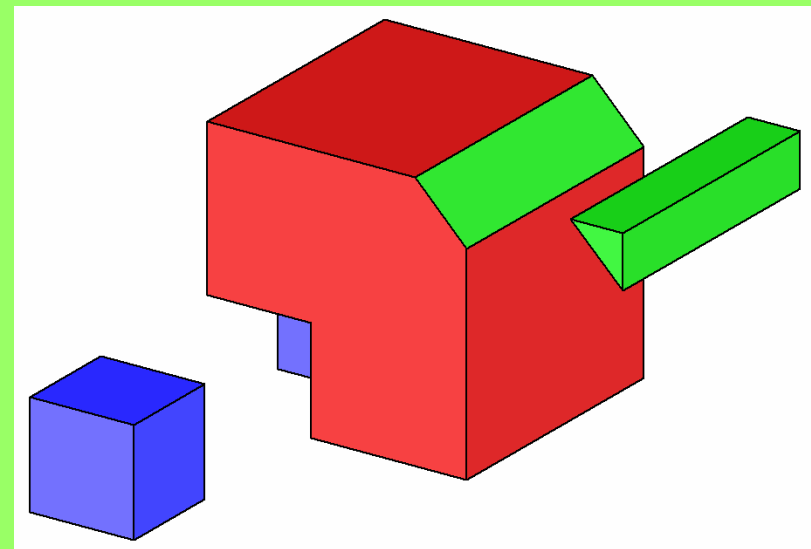
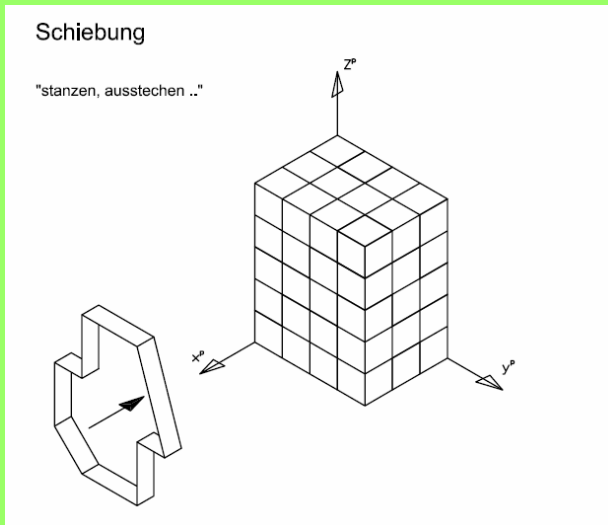
A software interface for CAD modeling. It features a central workspace with two views: 'Aufriss' (top view) and 'Frontalriss' (front view). The 'Aufriss' view shows a 2D projection of a stepped pyramid. The 'Frontalriss' view shows a 3D wireframe of the same object. To the right of the workspace, there are statistics: 'Verwendete Körper' (Used Bodies) is 5, 'Versuche / Körper' (Attempts / Bodies) is 0, and 'Versuche insgesamt' (Total Attempts) is 4. An 'Information' dialog box is open, displaying the message 'Du hast richtig gewählt !' (You have chosen correctly!) and an 'OK' button. At the bottom of the interface, there are navigation arrows and the label 'Grundriss' (Floor Plan).



Objekte des Raumes

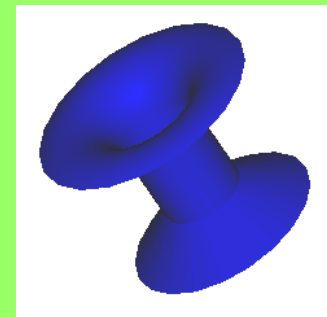
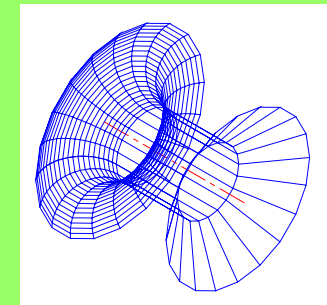
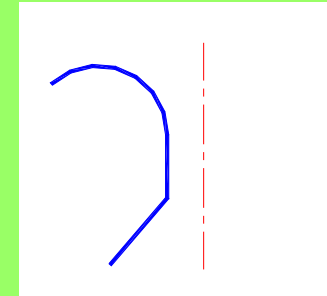
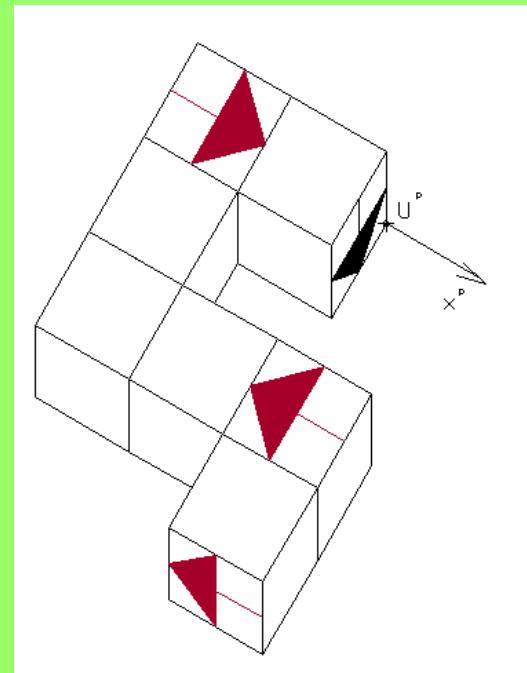
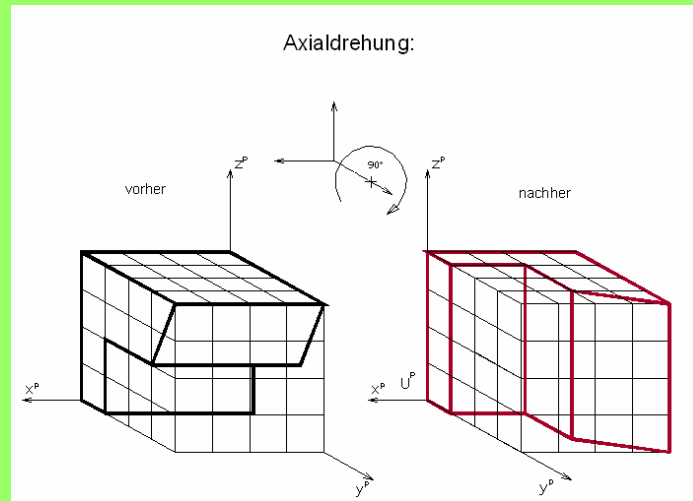


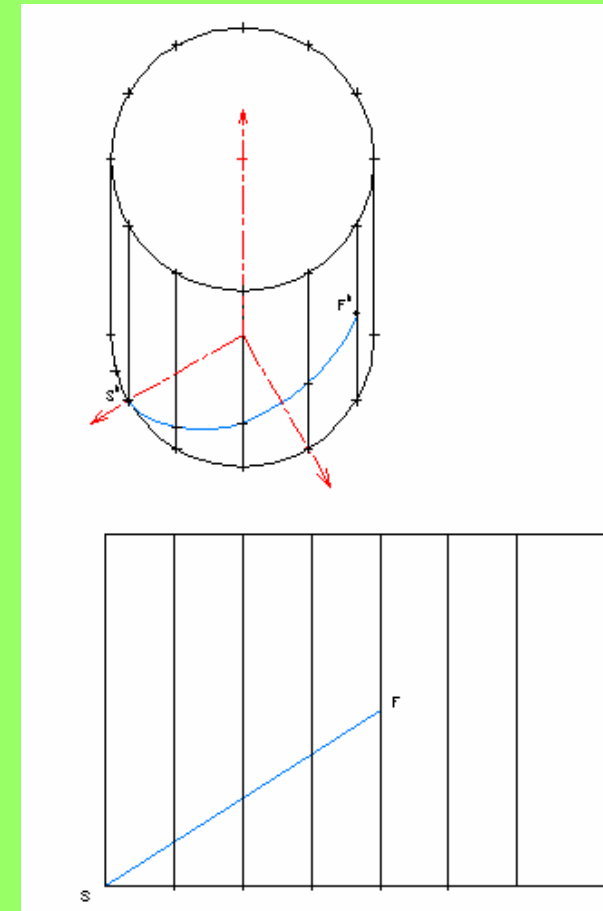
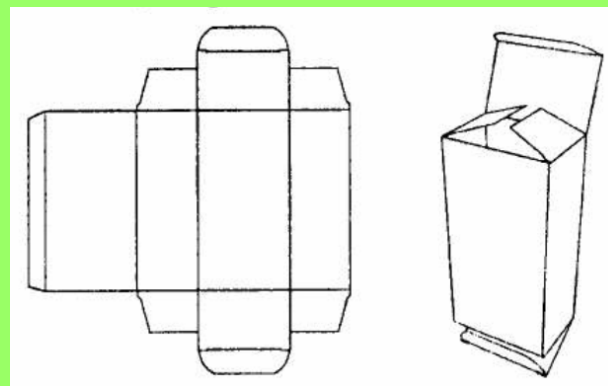
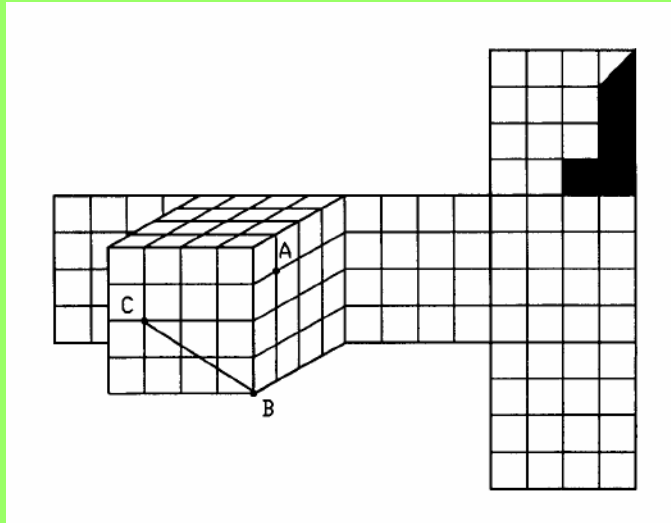


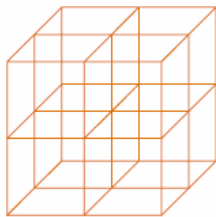
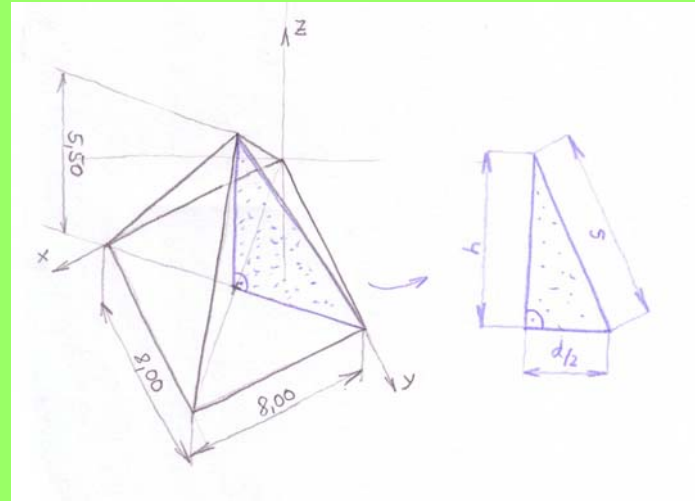


# RAUMGEOMETRIE UND CAD

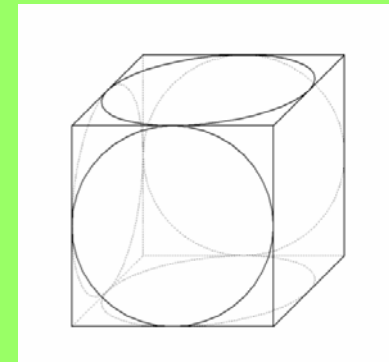
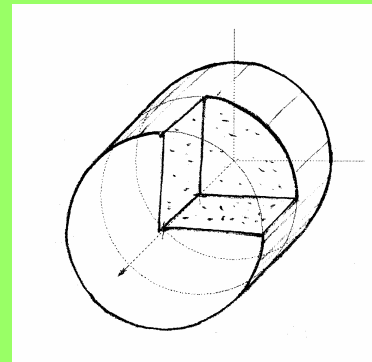
## SEKUNDARSTUFE 1





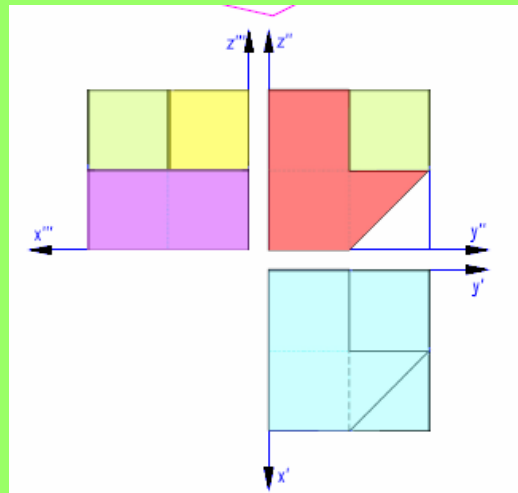
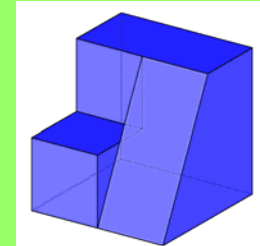
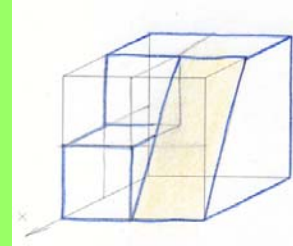
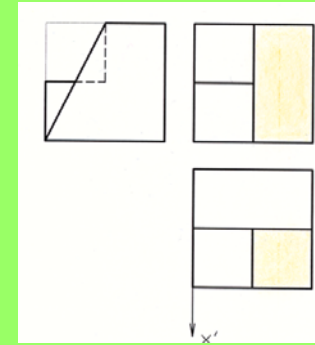
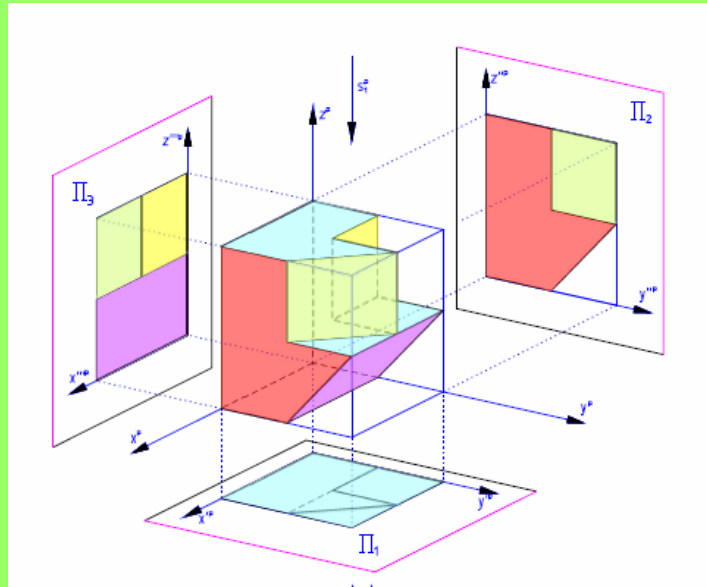


W+K	2W
W	



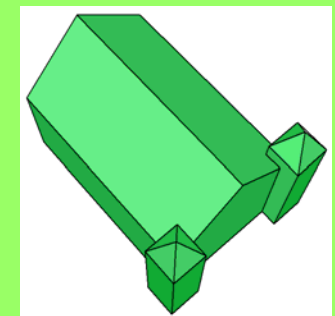
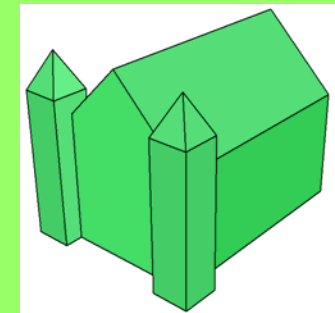
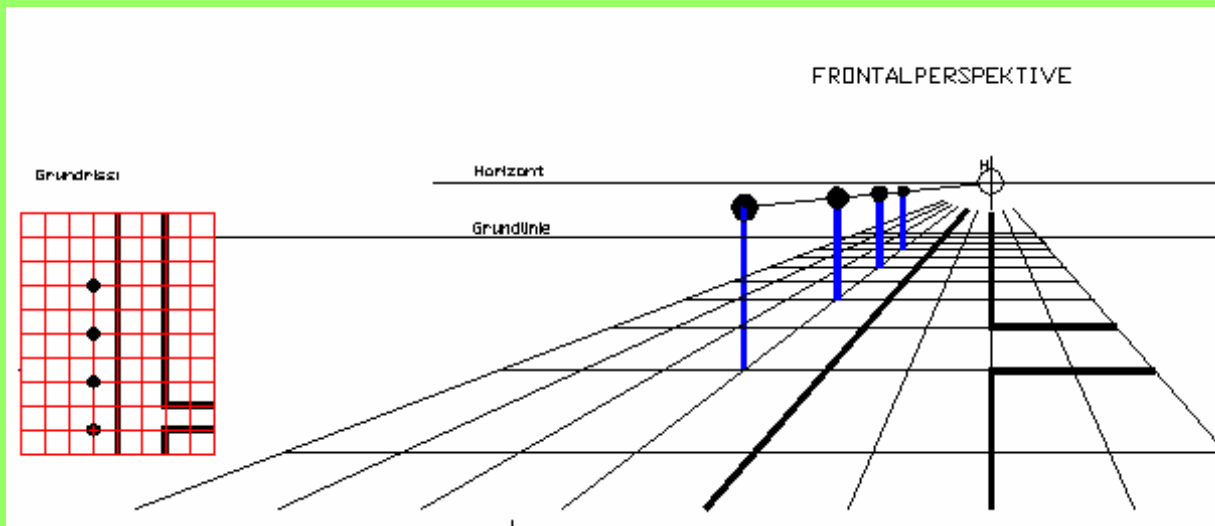
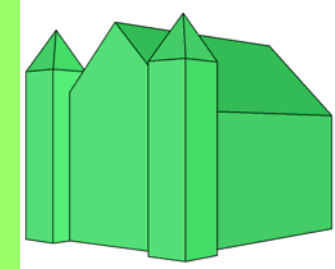
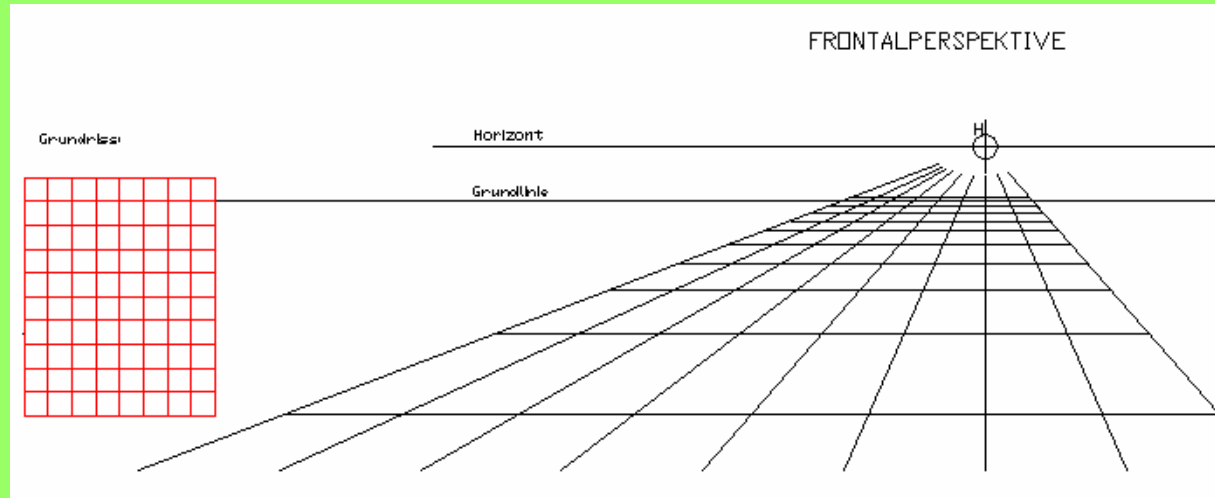
# RAUMGEOMETRIE UND CAD

SEKUNDARSTUFE 1



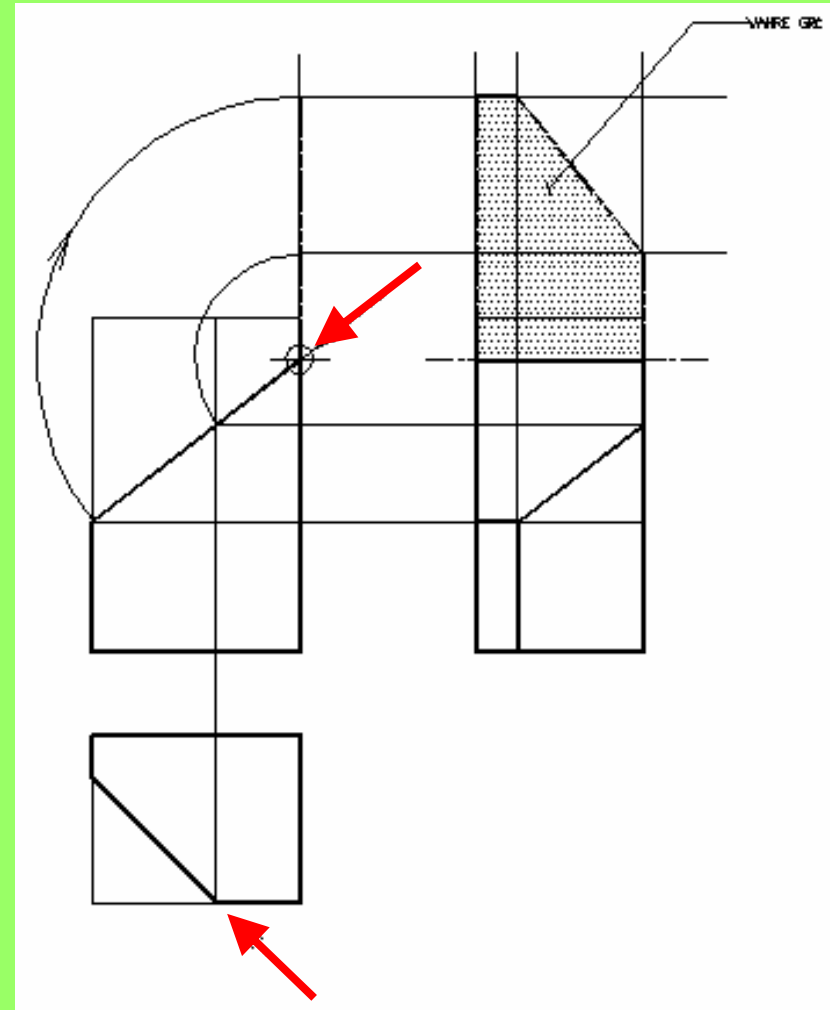
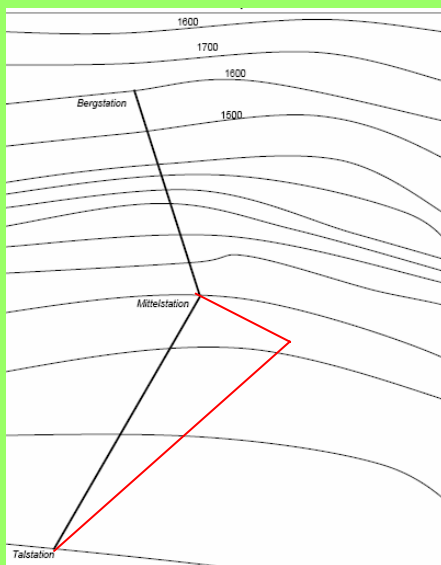
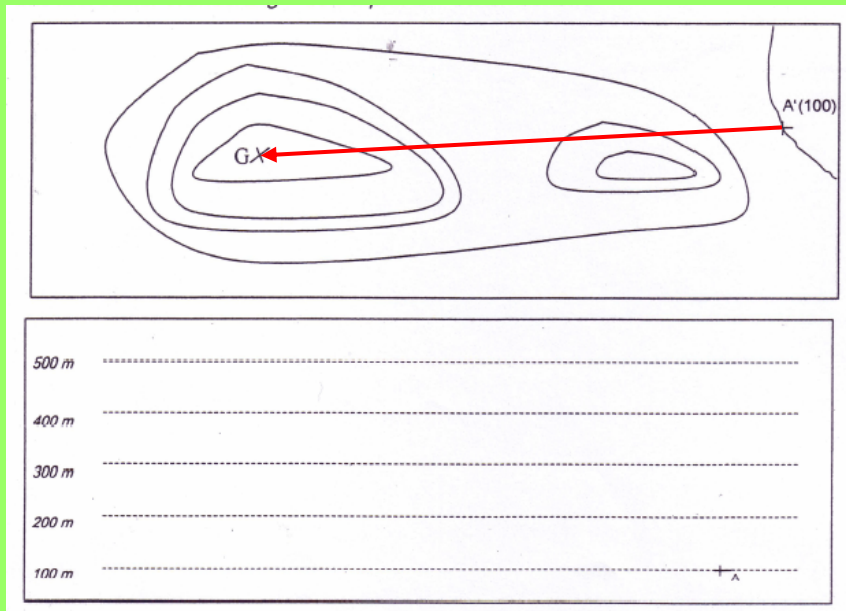
# RAUMGEOMETRIE UND CAD

## SEKUNDARSTUFE 1



# RAUMGEOMETRIE UND CAD

SEKUNDARSTUFE 1



# RAUMGEOMETRIE UND CAD

## SEKUNDARSTUFE 1

