

AXONOMETRIE

PODLE TVARU AX. Δ ROZLIŠUJEME TYTO AXONOMETRIE

- TRIMETRIE - ΔXYZ JE OBECKÝ, MA' STRANY RŮZNĚ DLOUHÉ
- DIMETRIE - ΔXYZ JE ROVNORAMENNÝ, NA DVĚ STRANÁCH JE STEJNÉ ZKRESLENÍ
- IZOMETRIE - ΔXYZ JE ROVNOSTRANNÝ, PLATÍ $i = j = k$

ZOBRAZENÍ PŘÍMKY

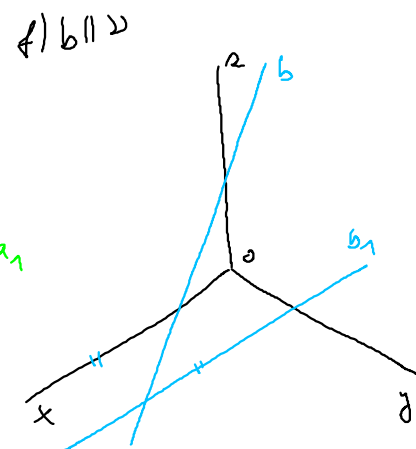
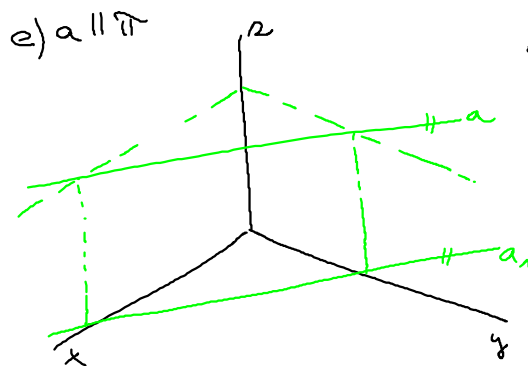
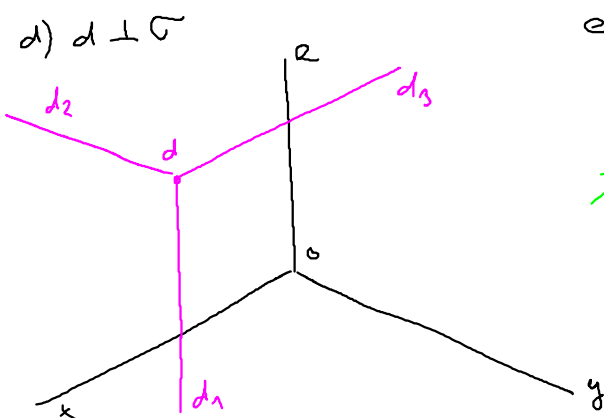
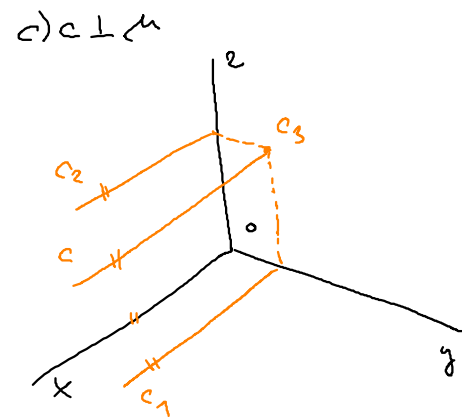
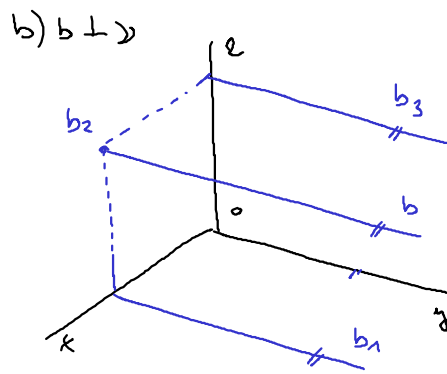
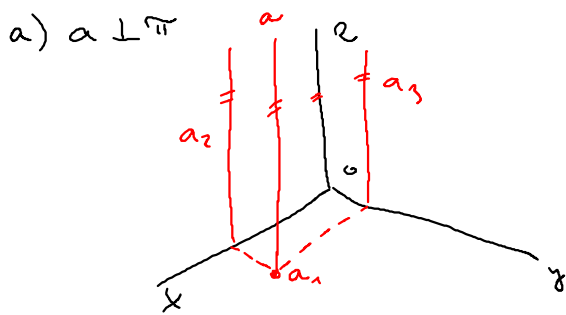
PŘ: JE DĀNA PŘÍMKA P SÚM AX. PRŮMĚTEM A PŮDORYSEM.
DOPLNĚTE ZBÝVAJÍCÍ PRŮMĚTY A STOPNÍKY

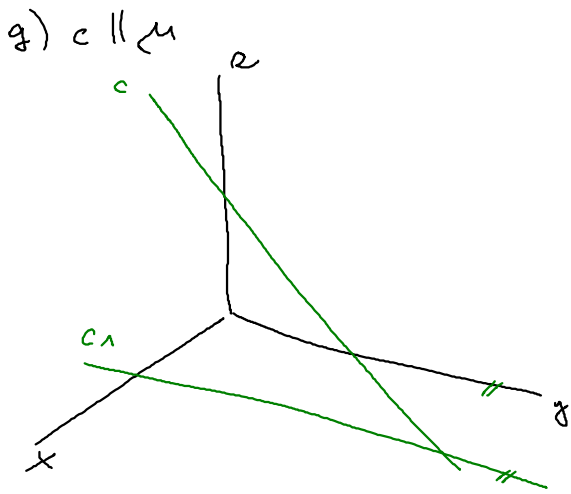
VIZ:

<https://www.geogebra.org/m/etsvphrm>

- P - AX. PRŮMĚT
- P_1 - AX. PŮDORYS
- P_2 - AX. NĀRYS
- P_3 - AX. BOKORYS
- P - PŮDORYSKÝ STOPNÍK = $P \cap \pi$
- N - NĀRYSKÝ STOPNÍK = $P \cap \nu$
- M - BOKORYSKÝ STOPNÍK = $P \cap \mu$

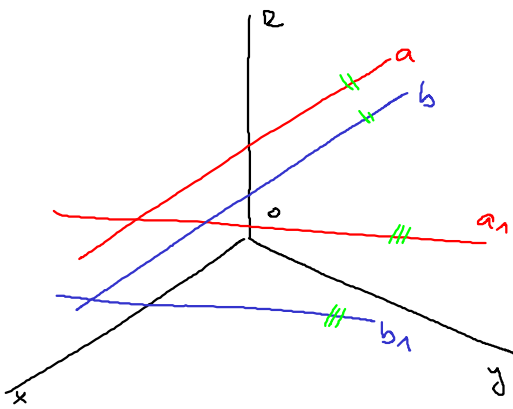
..SPECIÁLNÍ POLOHY PŘÍMKY



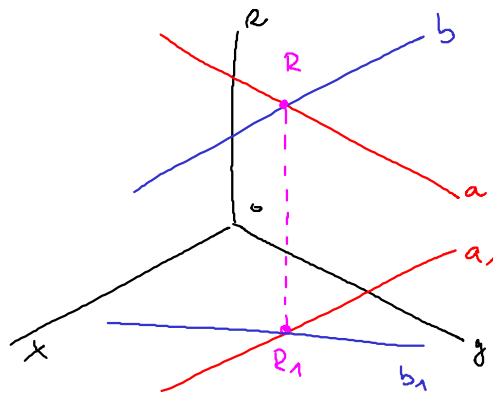


· VZÁJEMNÁ POLOHA DVOU PŘÍMEK

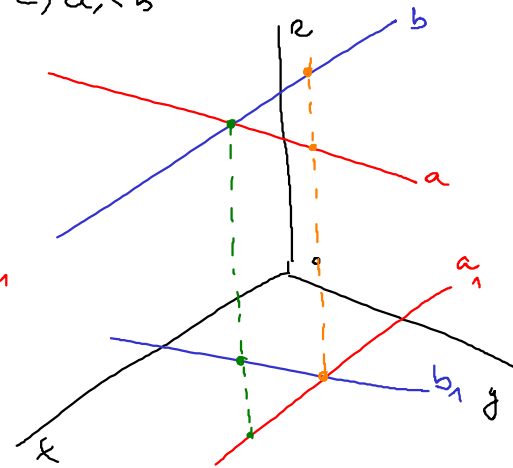
a) $a \parallel b$



b) $a \times b$



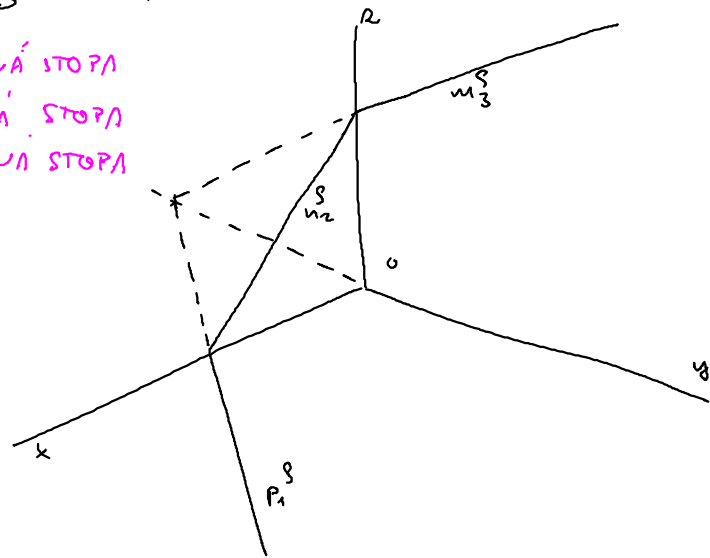
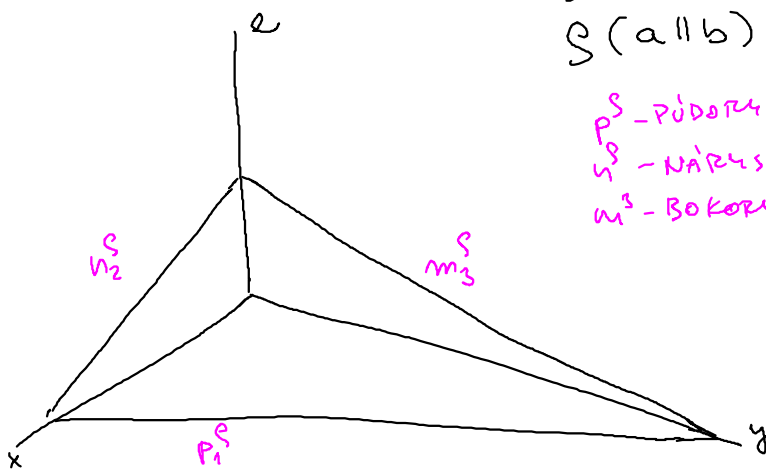
c) $a \perp b$



ZOBRAZENÍ ROVINY

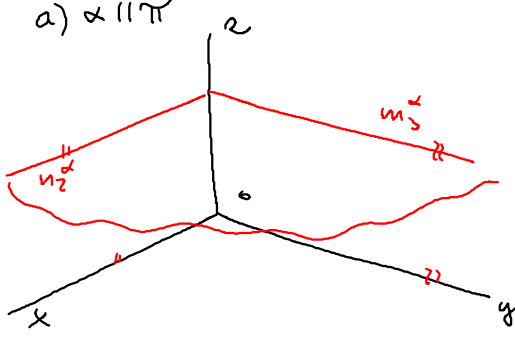
$\varrho(A, B, C)$
 $\varrho(A, b)$
 $\varrho(a \parallel b), \varrho(a \times b)$

P^S - PŮDŮRNÁ STOPI
 n^S - NÁŘEŠNÁ STOPI
 m^S - BOKOVNÍ STOPI

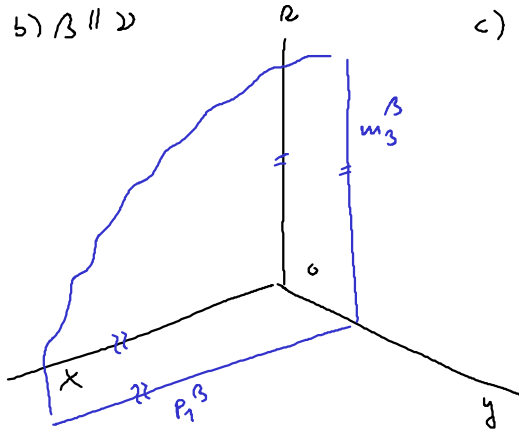


SPECIÁLNÍ POLOHY ROVIN

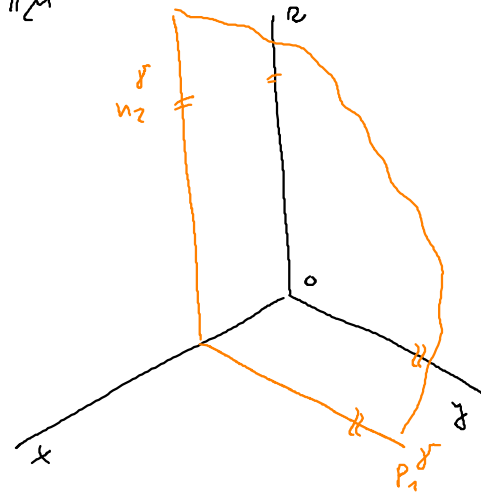
a) $\alpha \parallel \pi$



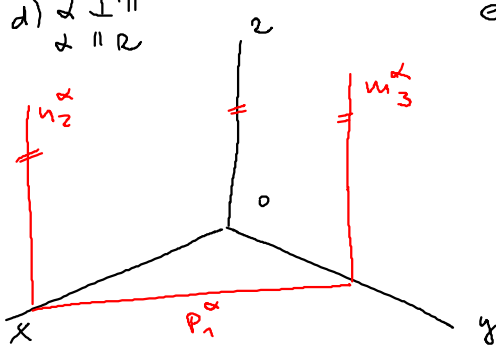
b) $\beta \parallel \nu$



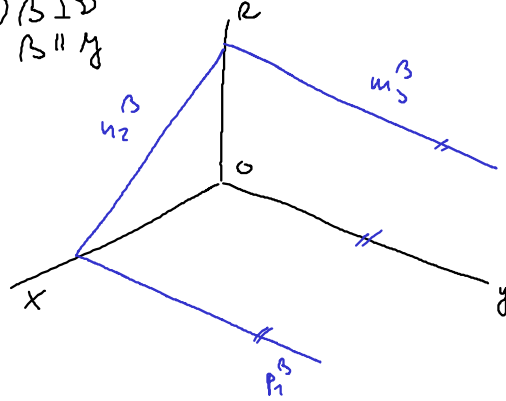
c) $\gamma \parallel \mu$



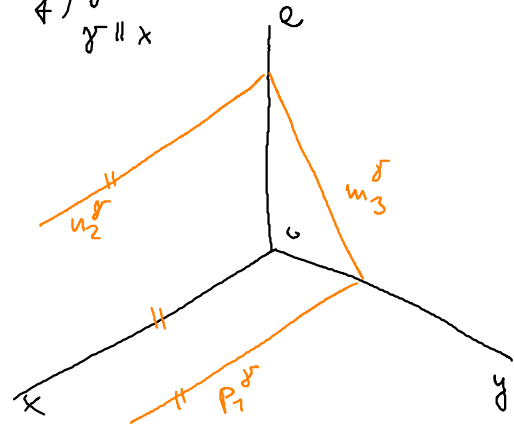
d) $\alpha \perp \pi$
 $\alpha \parallel z$



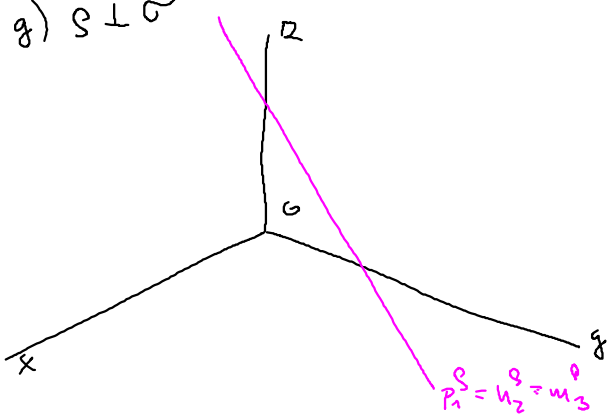
e) $\beta \perp \nu$
 $\beta \parallel y$



f) $\gamma \perp \mu$
 $\gamma \parallel x$



g) $\rho \perp \sigma$



HLAVNÍ PŘÍMKY

Viz:

<https://www.geogebra.org/m/zmasaad9>

$$\begin{aligned} \perp \rho &= \rho \\ \perp \sigma &= \sigma \\ \perp \tau &= \tau \end{aligned}$$

. ZÁKLADNÍ ÚLOHY

$$\text{Ia) } D: A, b \\ S: a, a \parallel b, A \in a$$

$$\text{Ib) } D: A, \beta \\ S: \alpha, \alpha \parallel \beta, A \in \alpha$$

<https://www.geogebra.org/m/xdssrngm>

<https://www.geogebra.org/m/f3mpveeb>

$$\text{IIa) } D: \alpha, \beta \\ S = \pi, \pi = \alpha \cap \beta$$

$$\text{IIb) } D: S, P \\ S: R, R = P \cap S$$

<https://www.geogebra.org/m/kfg8gdtk>

<https://www.geogebra.org/m/fvnmt3gd>