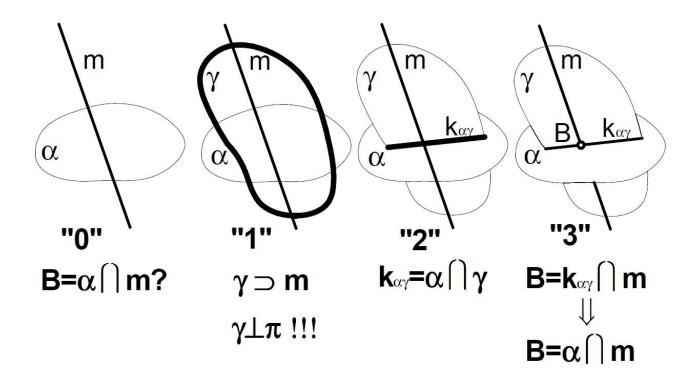
INTERSECTIONS OF PLANES PIERCING POINTS

PROBLEMS							
23	24	25	26	27	28	29	30

Defining the point of intersection of a plane pierced by a straight line (general)

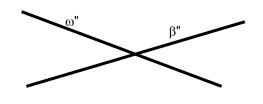


Faculty of Power and Aeronautical Engineering, IAAM, Division of Fundamentals of Machine Design

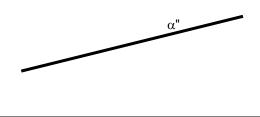
ENGINEERING GRAPHICS Exercise 3S Student's name

24. Find the edge of intersection of planes $\omega \perp \pi_2$ and $\beta \perp \pi_2$

*X*12



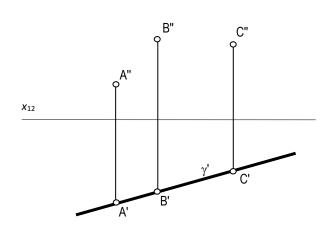
23. Find the edge of intersection of planes $\alpha \perp \pi_2$ and $\beta \perp \pi_1$



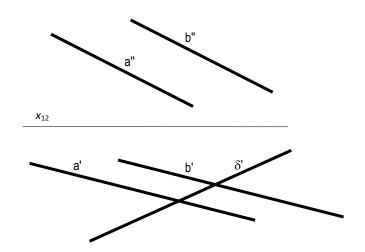
 x_{12}

2

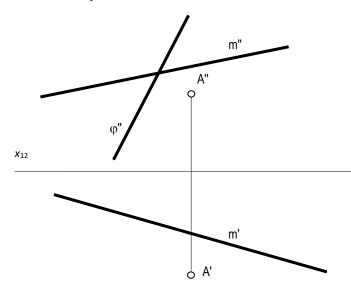
25. Find the edge of intersection of plane $\gamma(A,B,C)\perp\pi_1$ and the horizontal projection plane π_1



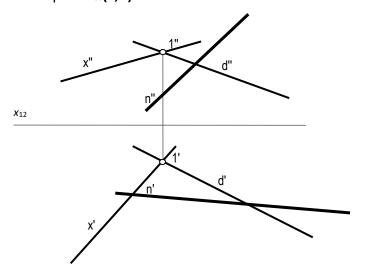
26. Find the edge of intersection of planes $\delta \perp \pi_1$ and $\beta(a,b)$, $a \parallel b$



27. Find the edge of intersection of planes $φ ⊥ π_2$ and ξ(A,m)

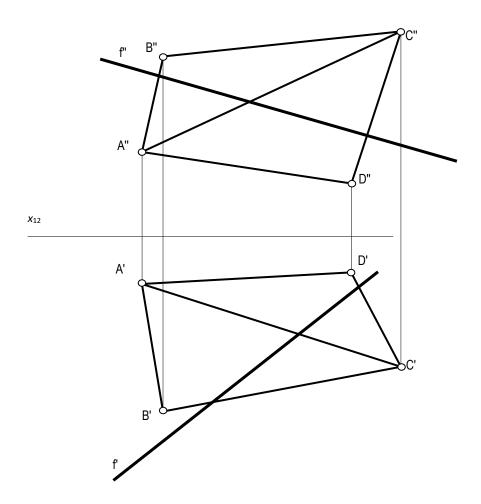


28. Find the point of intersection of line $\bf n$ and plane $\alpha({\bf x},{\bf d})$



29. A bent plate ABCD is located as shown in the drawing. The bend line is AC. A cable XY must pass through the bent plate. Determine the point or points where the cable will pass through the bent plate.





30. Find the edge of intersection XY of the triangle ABC and quadrangle EFGH. Mark the visible part of the triangle.

