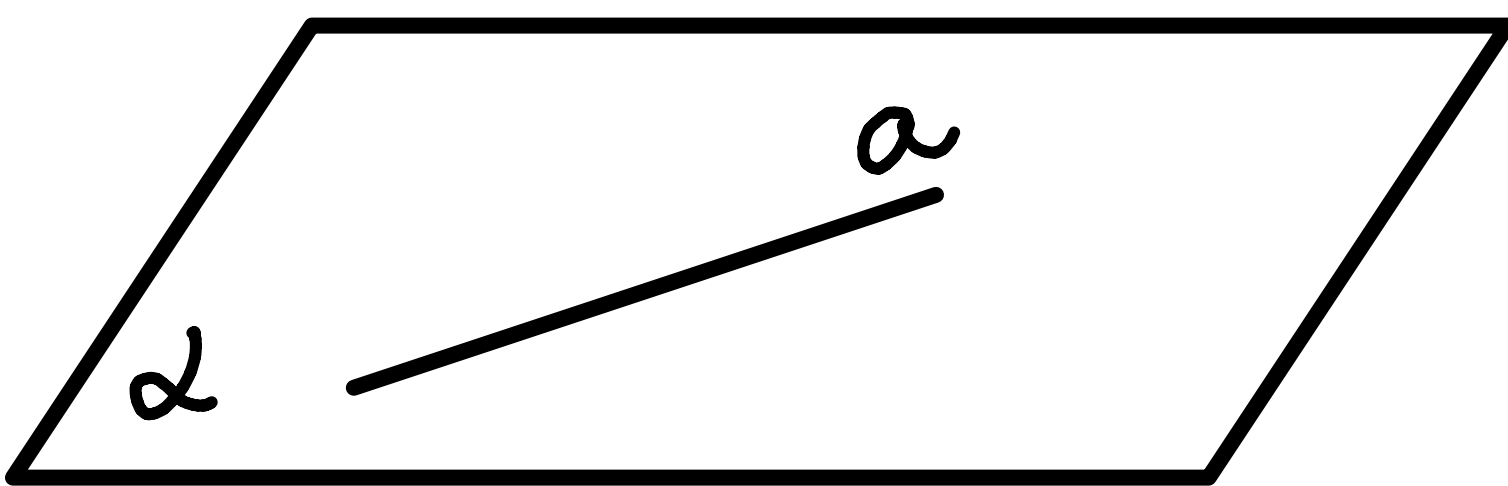


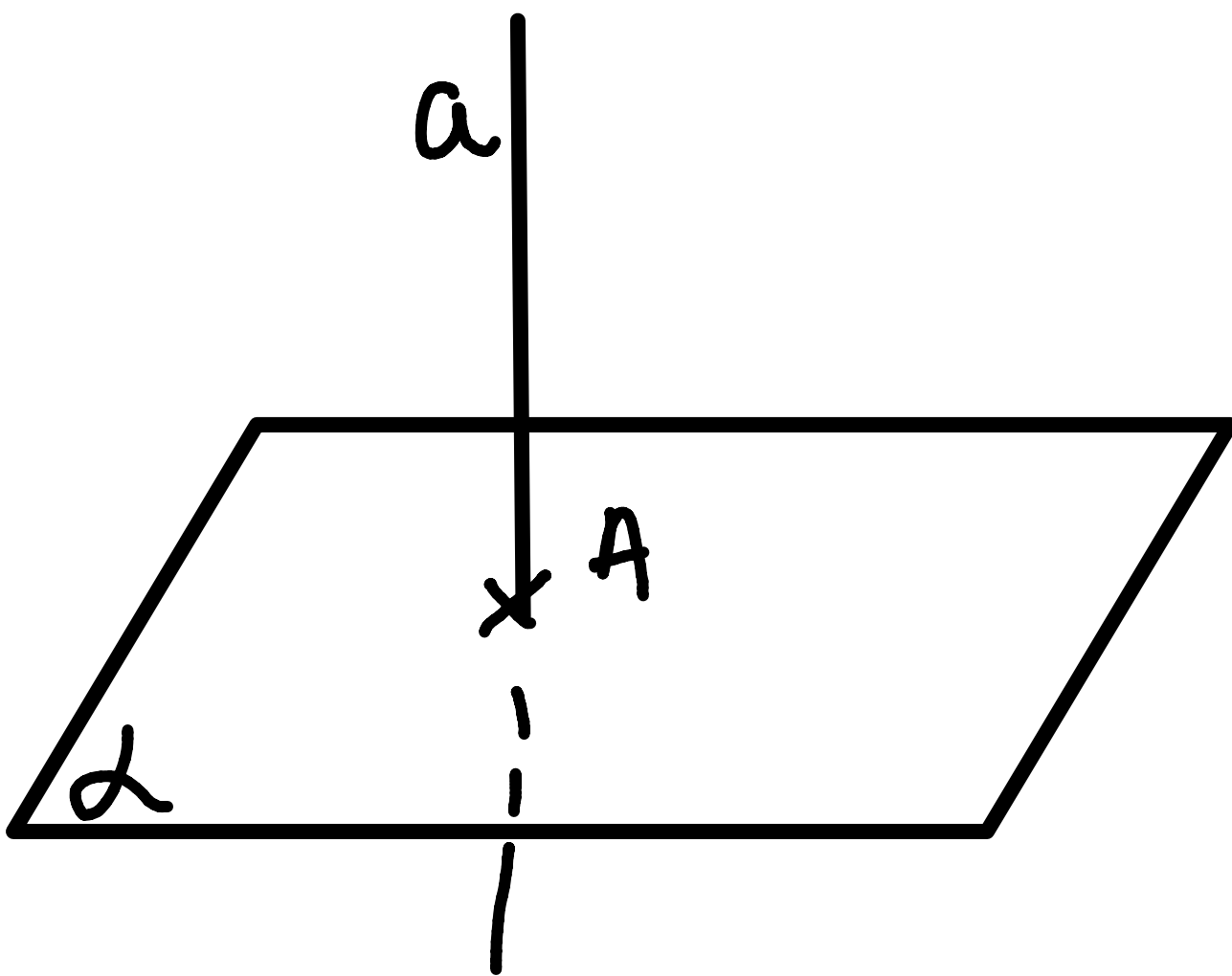
## Unghiul unei drepte cu un plan

unghiul unei drepte cu un plan este egal cu măsură unghiului format de dreaptă cu proiecția acesteia pe plan.

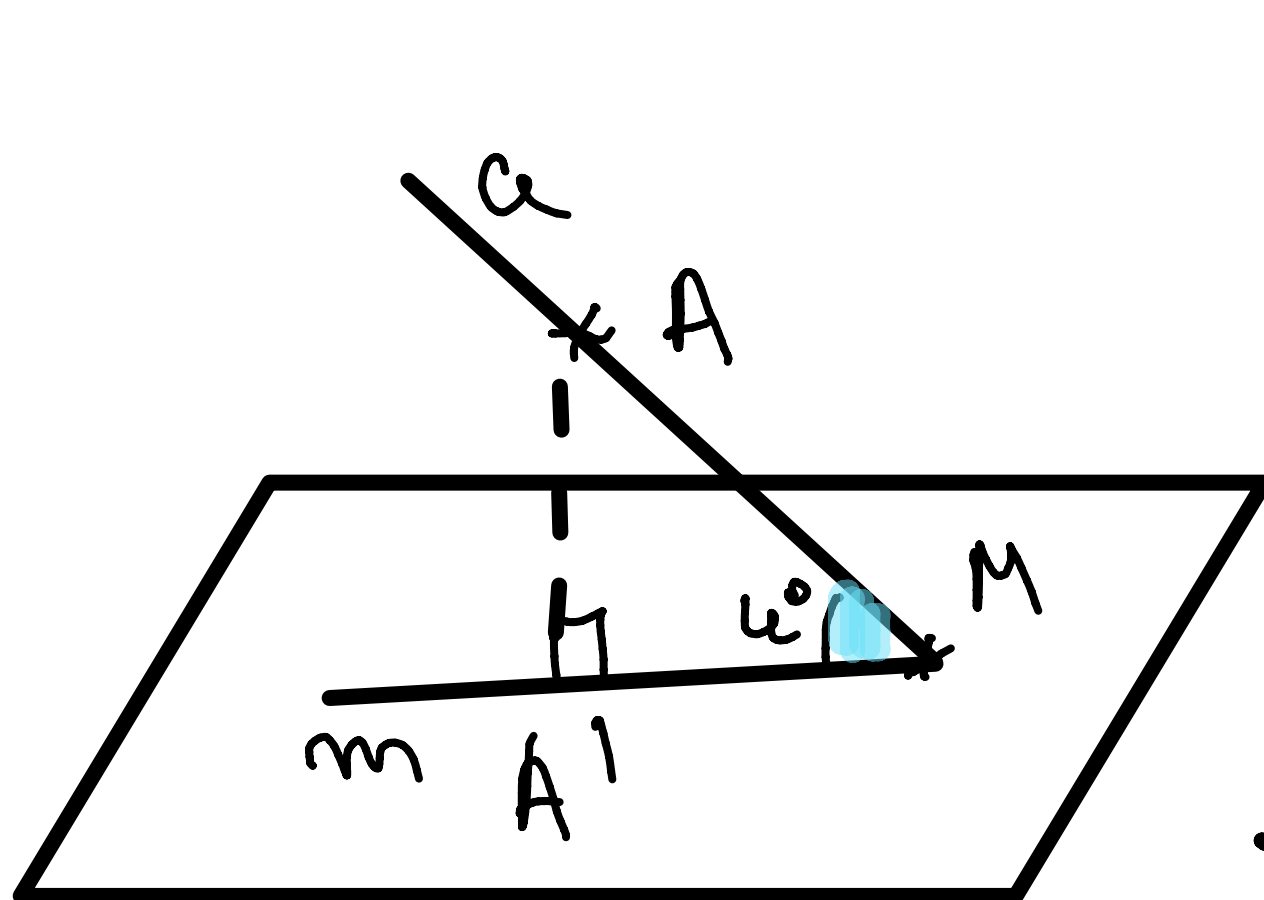


$$a \subset \alpha \Rightarrow \angle(a; \alpha) = 0^\circ$$

$$b \parallel \alpha \Rightarrow \angle(b; \alpha) = 0^\circ$$



$$a \perp \alpha \Rightarrow \angle(a; \alpha) = 90^\circ$$



$$a \cap \alpha = \{M\}$$

$$P_{\alpha} AM = A'M$$

$$\begin{aligned} \angle(a; \alpha) &= \angle(A'M; \alpha) \\ &= \angle(A'M; A'M) \\ &= u^\circ; u^\circ \in (0^\circ; 90^\circ). \end{aligned}$$