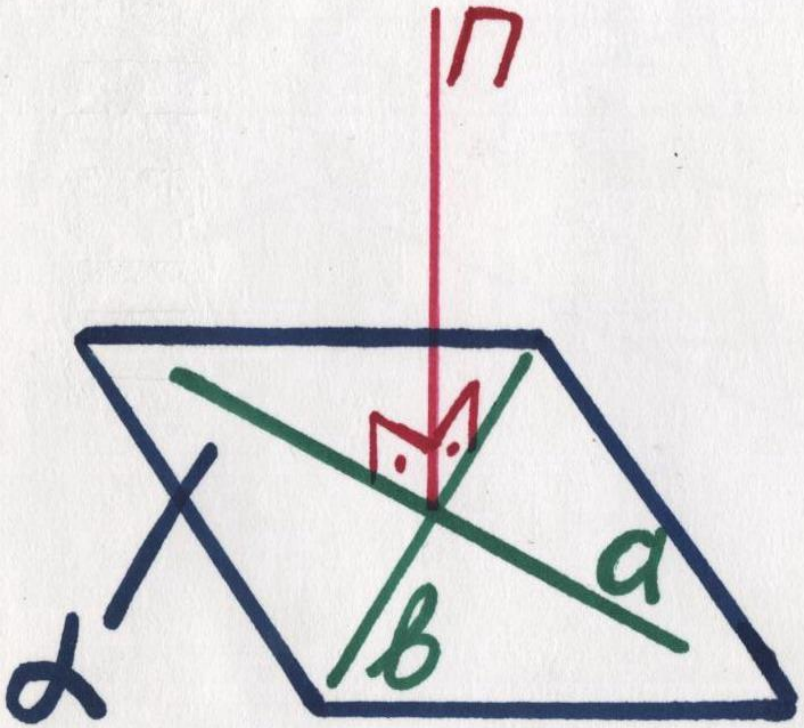
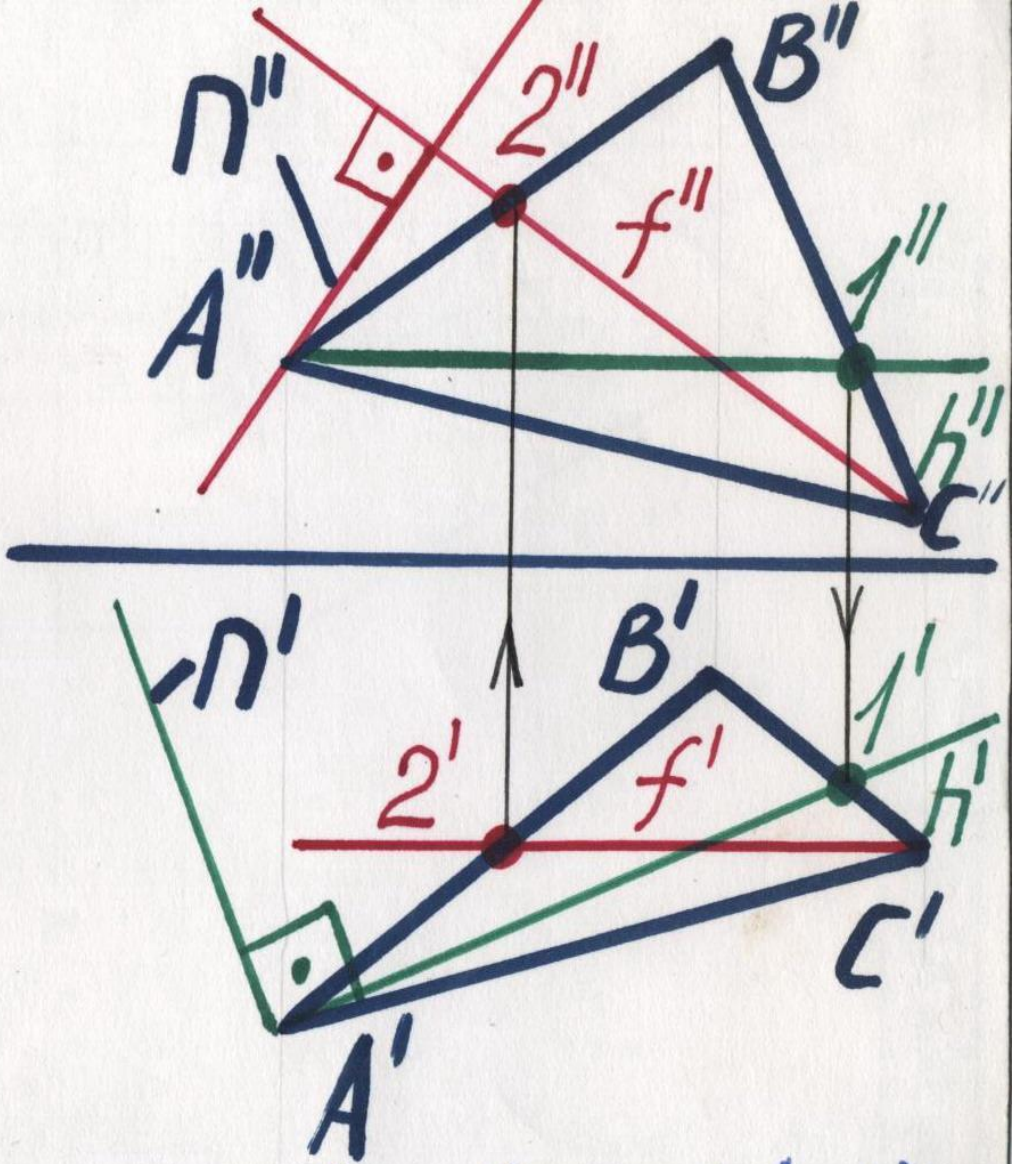
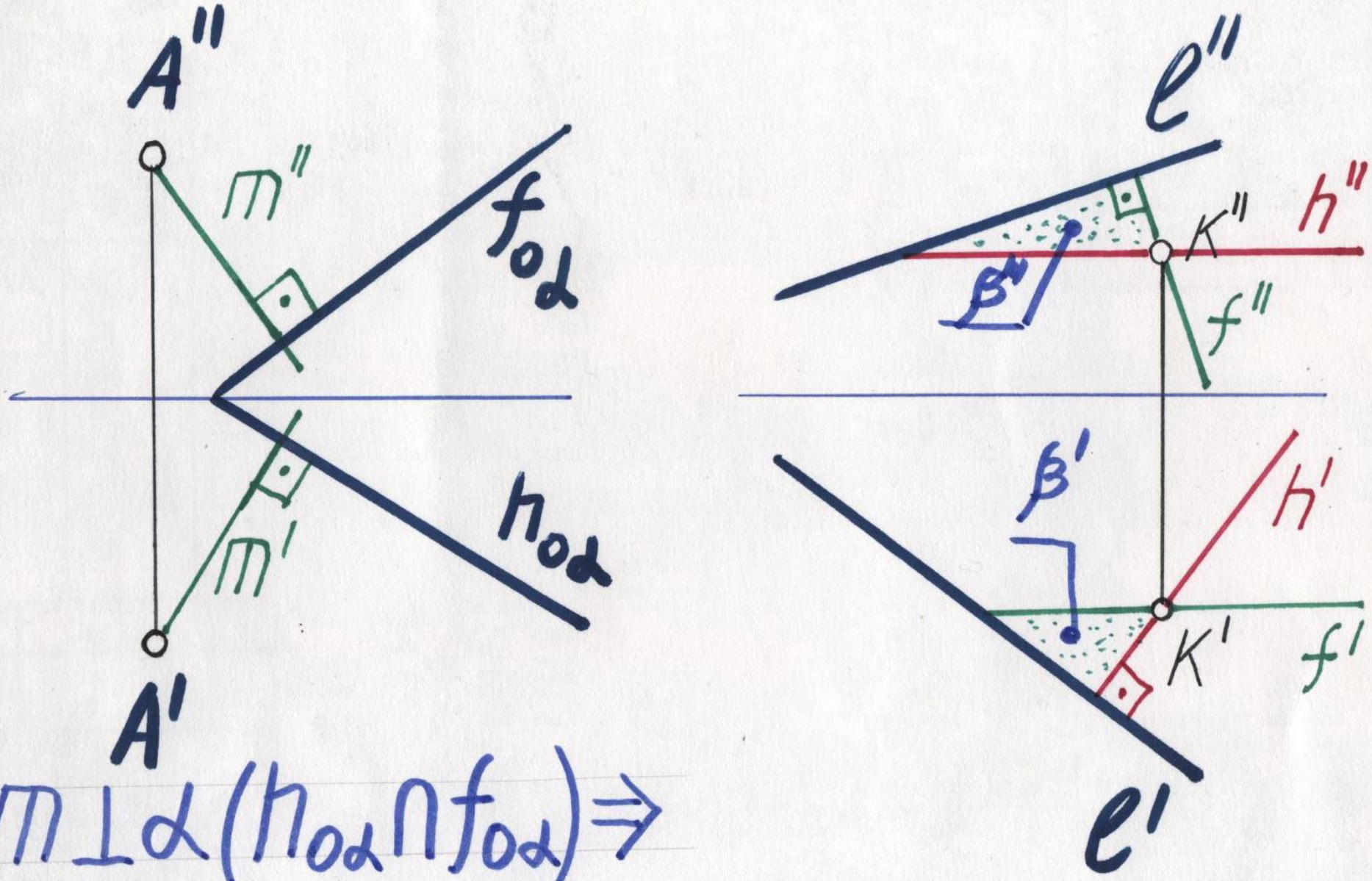
Взаимно перпендикулярные и параллельные геометрические образы

1. Перпендикулярность прямой и плоскости
2. Параллельность плоскостей, прямой и плоскости
3. Перпендикулярность плоскостей



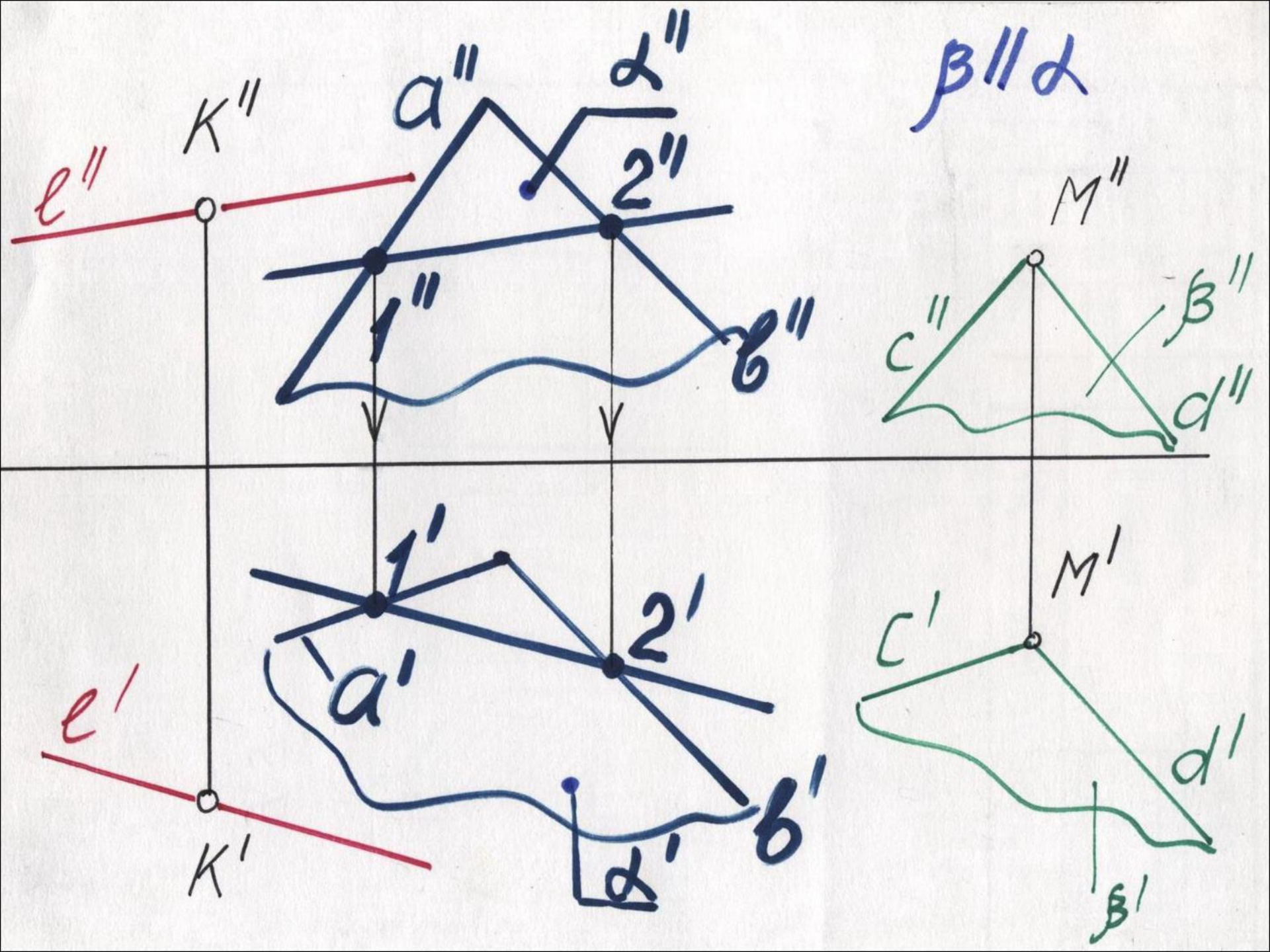


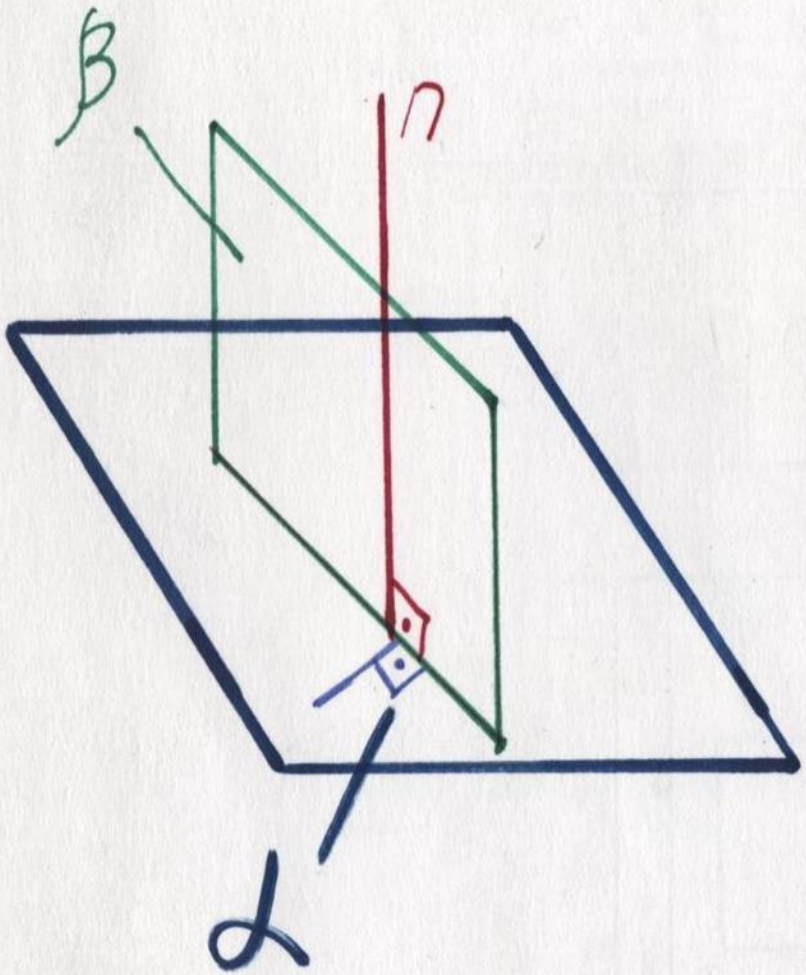
$$n \perp \alpha \,(h \cap f) \Rightarrow (n' \perp h') \wedge (n'' \perp f'')$$



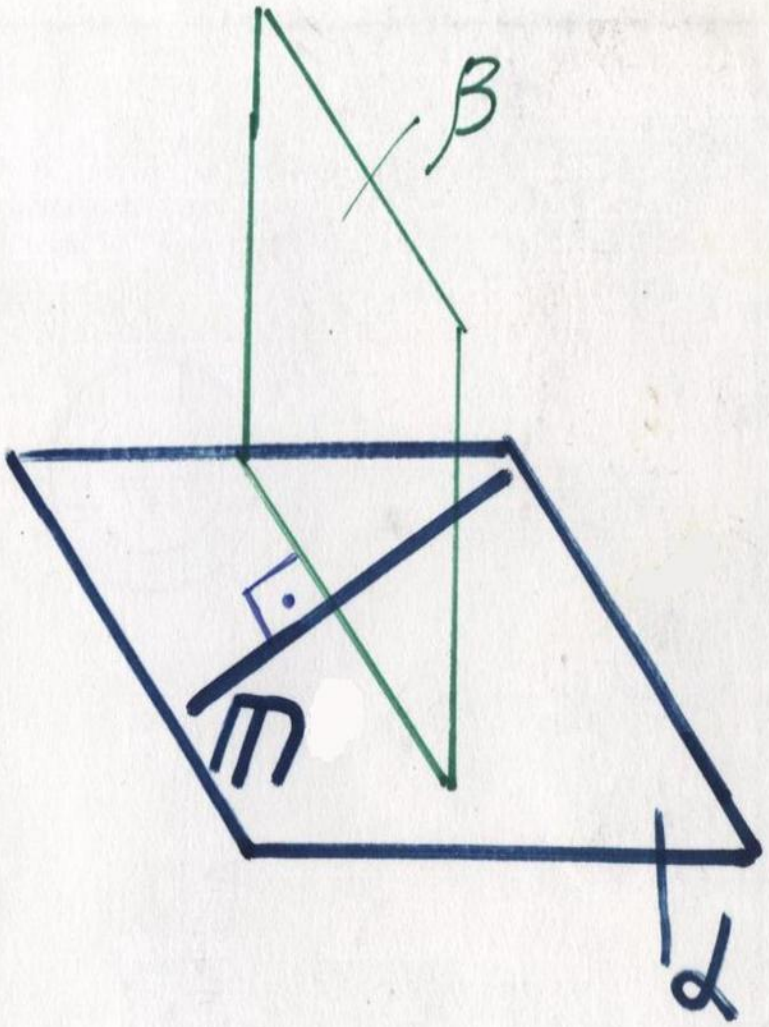
$m \perp \alpha (h_{0\alpha} \cap f_{0\alpha}) \Rightarrow$

$(m' \perp h_{0\alpha}) \wedge (m'' \perp f_{0\alpha})$

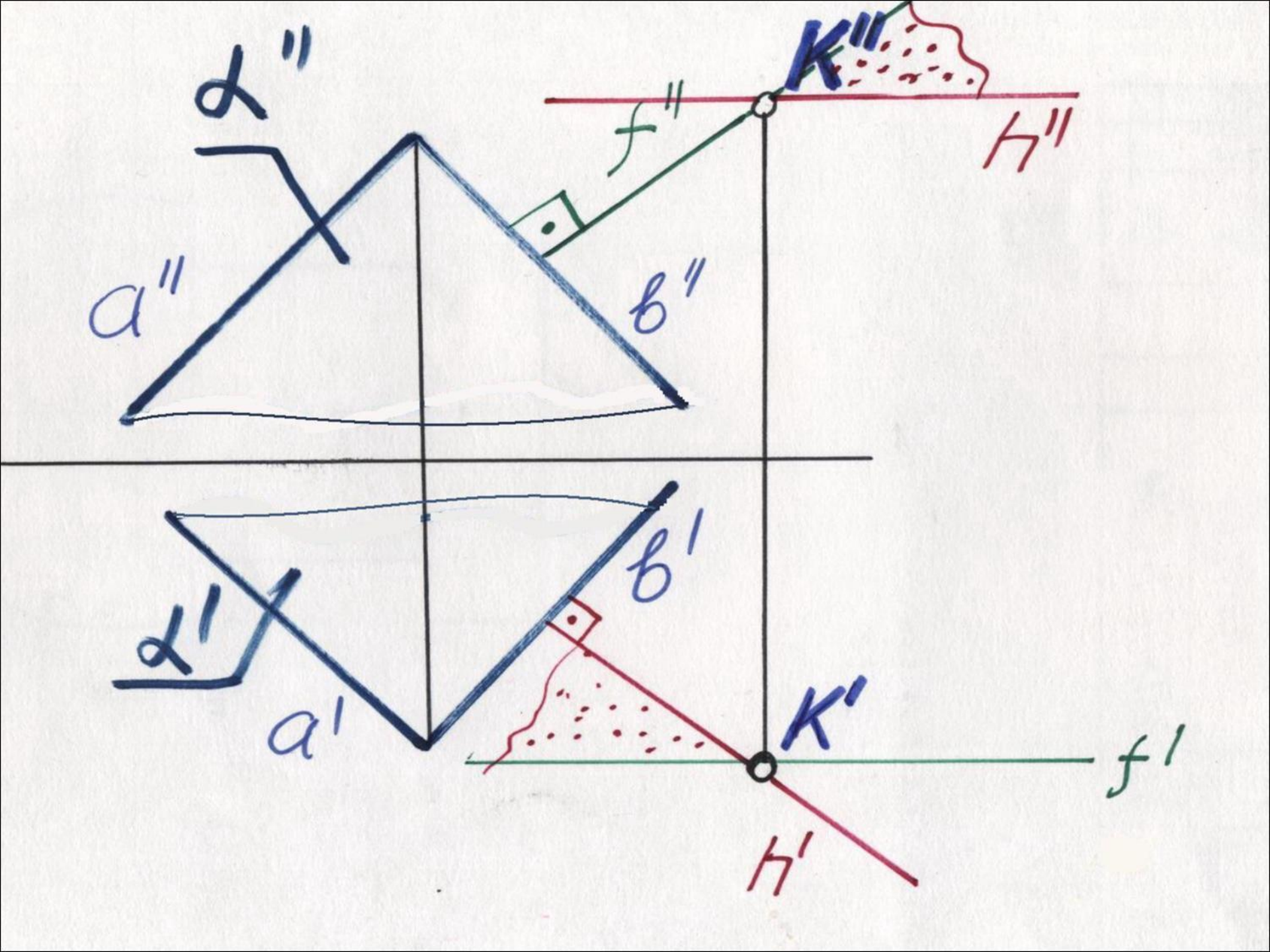

β ∥ α
K''
ℓ''
a''
α''
2''
1''
b''
M''
c''
β''
d''
1'
2'
a'
ℓ'
K'
b'
α'
M'
c'
d'
β'

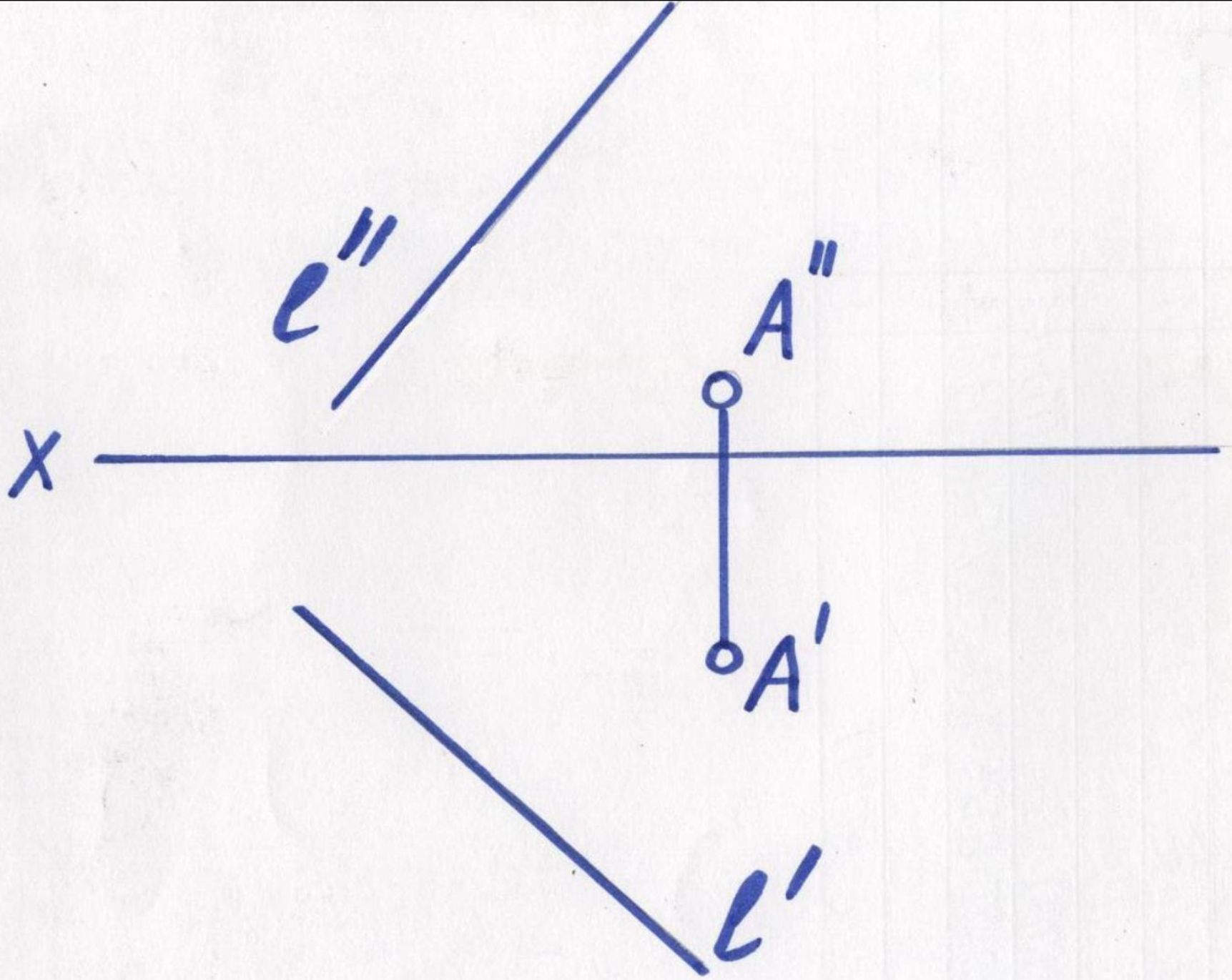


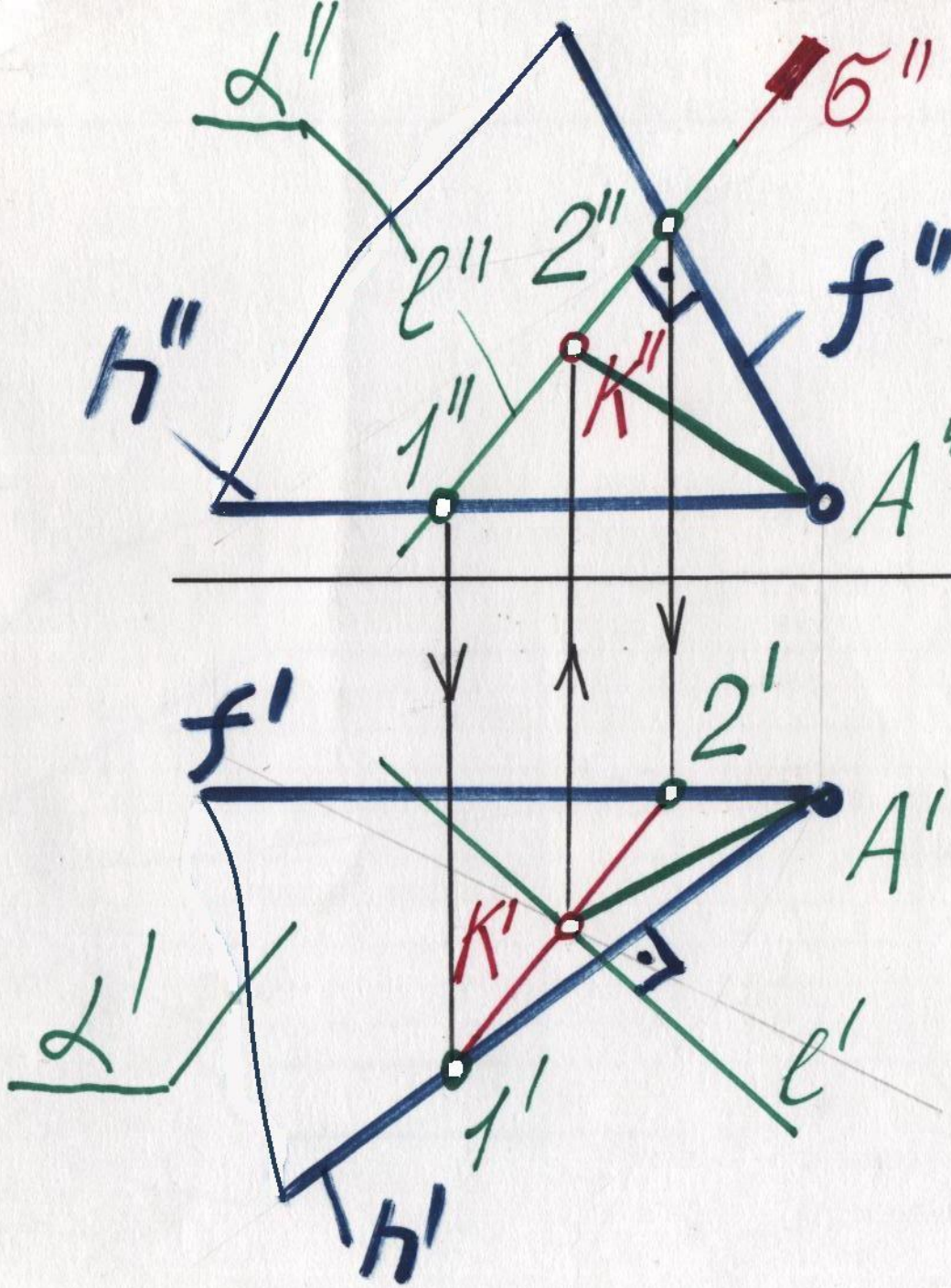
1) $\beta \perp \alpha \Rightarrow \beta \supset n \perp \alpha$



2) $\beta \perp \alpha \Rightarrow \beta \perp m \subset \alpha$


α''
K''
f''
h''
a''
b''
b'
α'
a'
K'
f'
h'


l''
A''
X
A'
l'

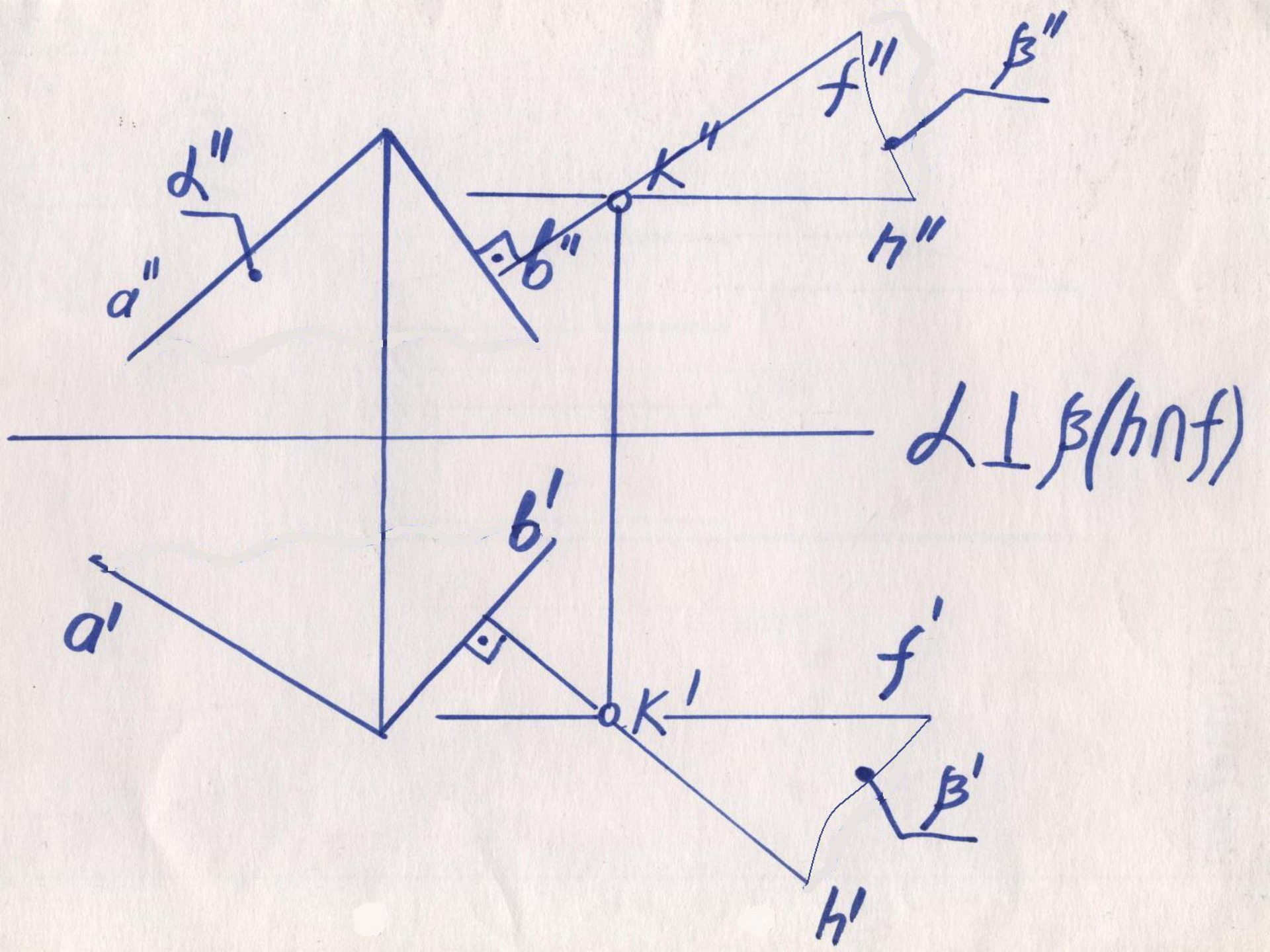


1) $\alpha(h \cap f)$;
$f'' \perp \ell''$; $h' \perp \ell'$

2) $\ell'' \equiv \sigma''$;

3) $\sigma \cap \alpha = [1,2]$

$[1'2'] \cap \ell' = K'$


α''
a''
b''
K''
f''
β''
h''
α ⊥ β (h ∩ f)
b'
a'
f'
K'
β'
h'