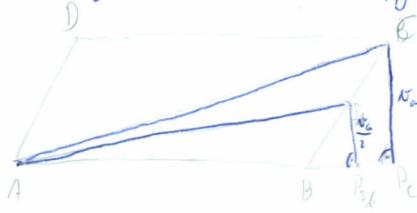


3.c)

Udajte rovnoběžník ABCD, je-li dána $|AC|, \kappa_a, |AS_{\frac{a}{2}}|$, kde $S_{\frac{a}{2}}$ střed BC

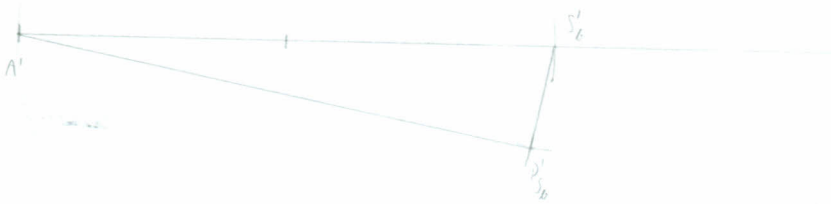
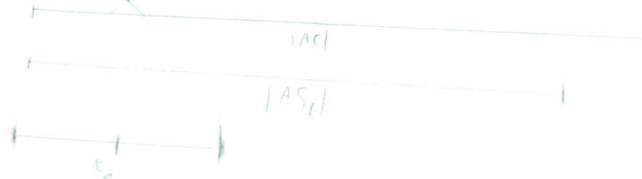


Rozbor: $\triangle ACP_c$ a $\triangle AS_{\frac{a}{2}}P_{S_{\frac{a}{2}}}$ (son) $|S_{\frac{a}{2}}P_{S_{\frac{a}{2}}}| = \frac{\kappa_a}{2}$

$S_{\frac{a}{2}}P_{S_{\frac{a}{2}}}$ je střední příčka v $\triangle BPC_c$, $\gamma(P_{S_{\frac{a}{2}}}) : P_c \rightarrow B$
 $\gamma(BA') : C \rightarrow D$

Poradí konstrukce:

1. $\triangle ACP_c$ (son)
2. $\triangle A'S_{\frac{a}{2}}P_{S_{\frac{a}{2}}}$ (son)
3. $P_{S_{\frac{a}{2}}} : P_{S_{\frac{a}{2}}} \in \overrightarrow{AP_c}, |AP_{S_{\frac{a}{2}}}| = |A'P_{S_{\frac{a}{2}}}|$
4. B; $\gamma(P_{S_{\frac{a}{2}}}) : P_c \rightarrow B$
5. D; $\gamma(BA') : C \rightarrow D$
6. rovnoběžník ABCD



Počítání: 1