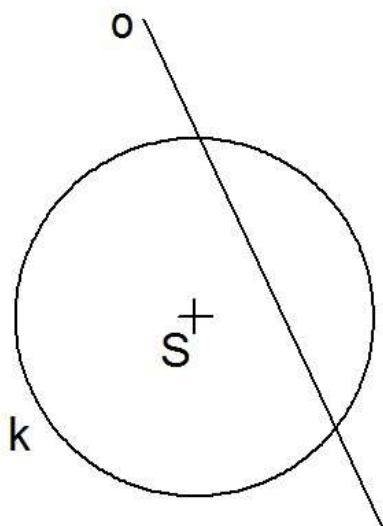


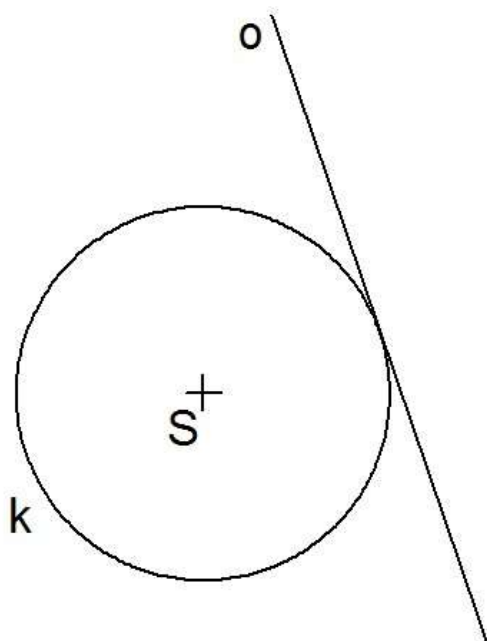
SHODNÁ A PODOBNÁ ZOBRAZENÍ

1) V osové souměrnosti $\mathcal{O}(o)$ sestrojte obraz daných rovinných útvarů:

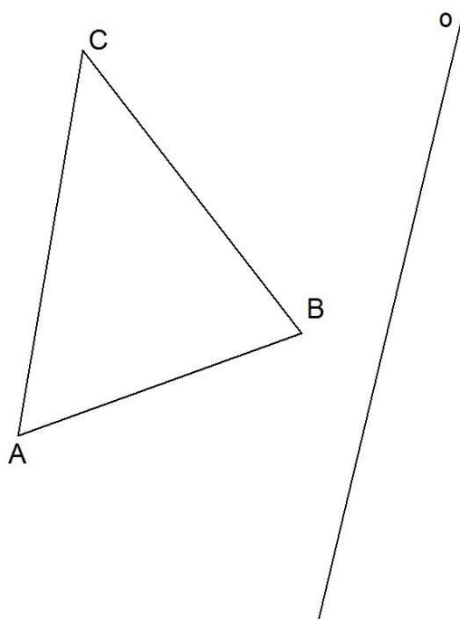
a) $k(S; r)$



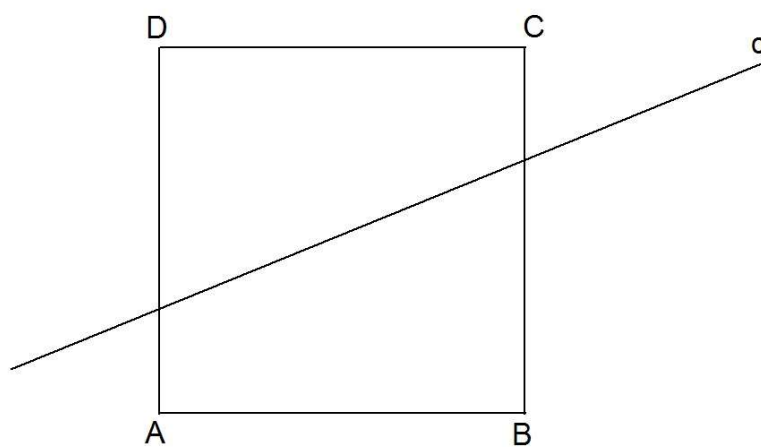
b) $k(S; r)$



c) trojúhelník ABC

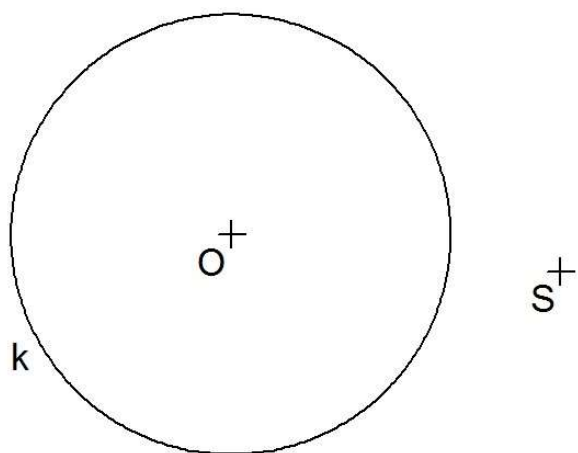


d) čtverec $ABCD$

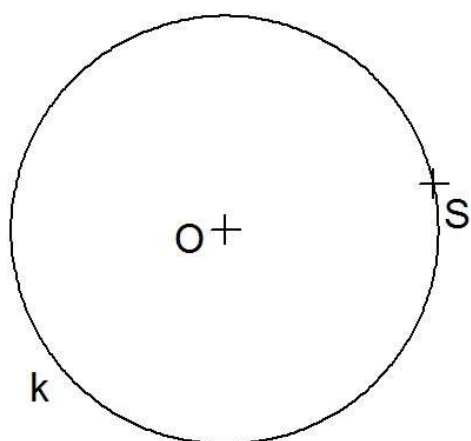


2) Ve středové souměrnosti $\mathcal{S}(S)$ sestrojte obraz daných rovinných útvarů:

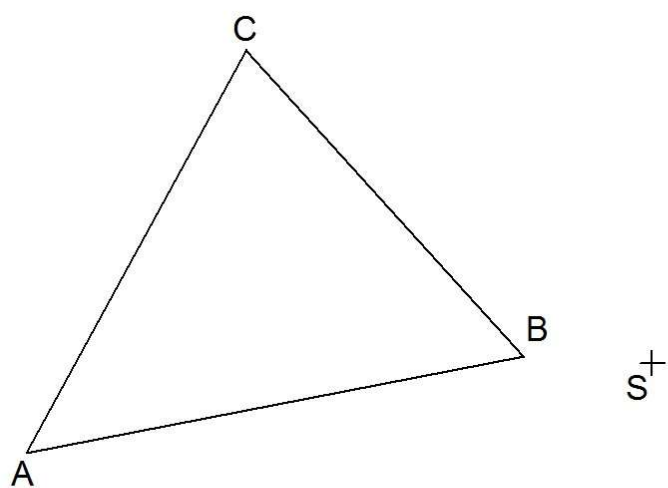
a) $k(O; r)$



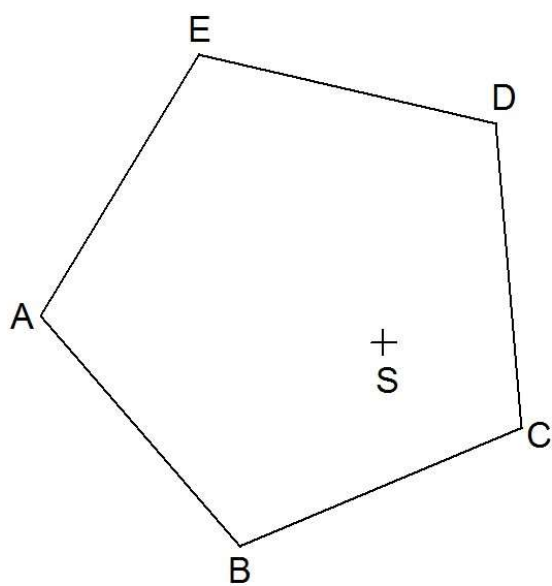
b) $k(O; r)$



c) trojúhelník ABC

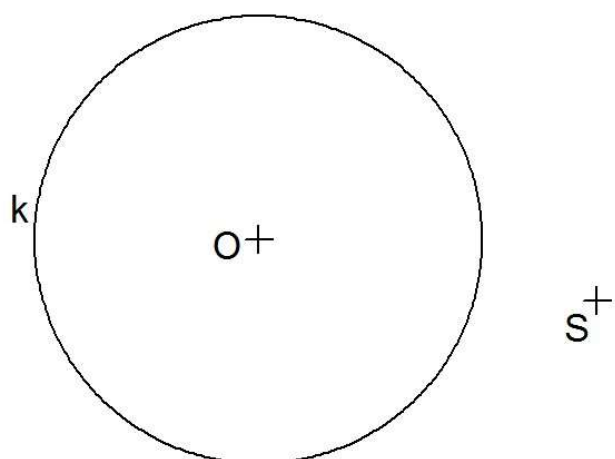


d) pravidelný pětiúhelník $ABCDE$

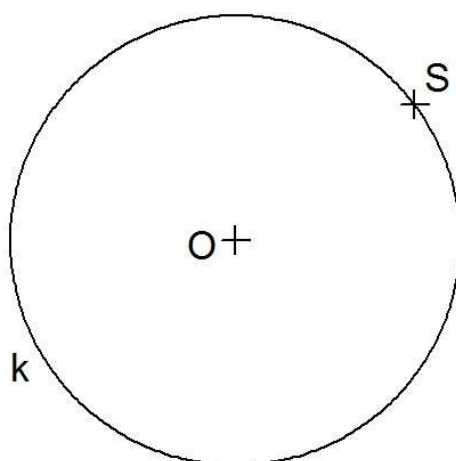


3) V otočení $\mathcal{R}(S; \varphi)$ sestrojte obraz daných rovinných útvarů:

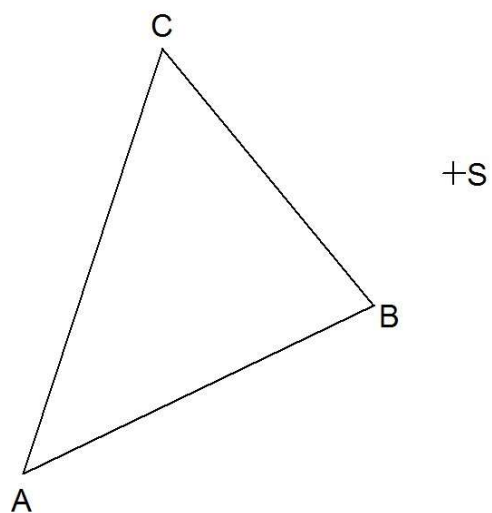
a) kružnice $k(O; r)$, $\varphi = 30^\circ$



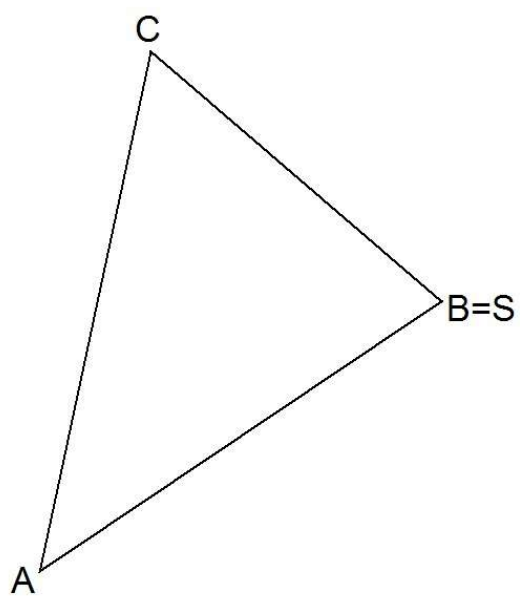
b) kružnice $k(O; r)$, $\varphi = -50^\circ$



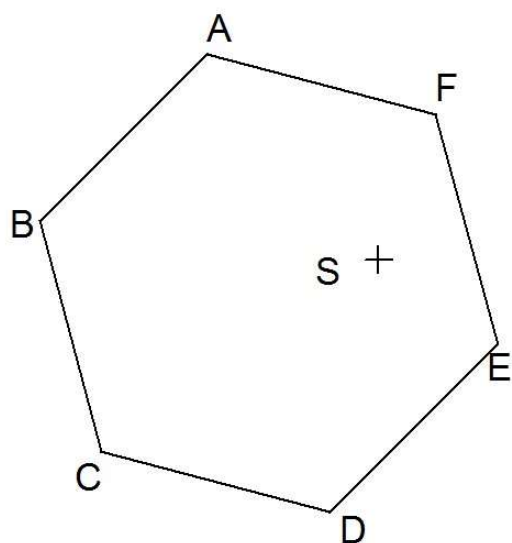
c) trojúhelník ABC , $\varphi = 60^\circ$



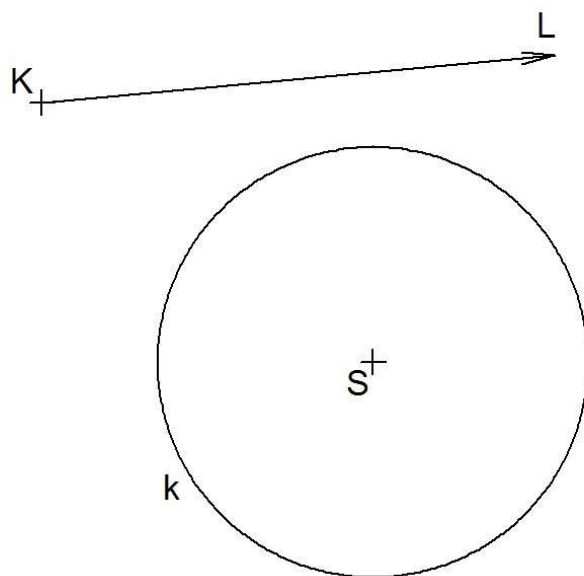
d) trojúhelník ABC , $\varphi = -45^\circ$



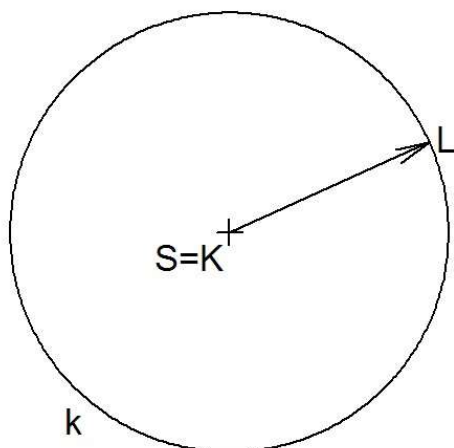
e) šestiúhelník $ABCDEF$, $\varphi = 40^\circ$



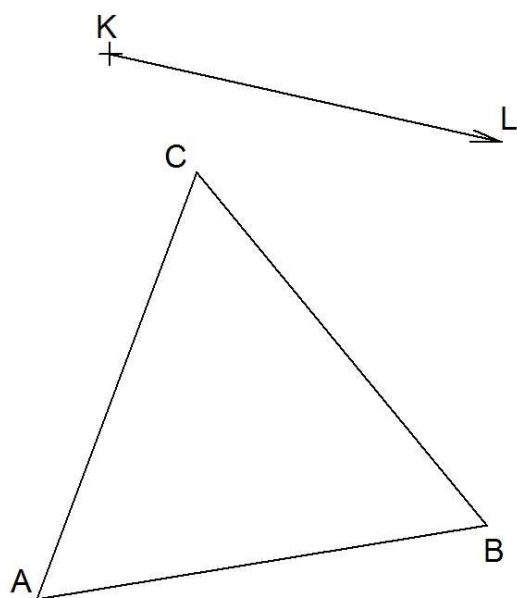
4) V posunutí $\mathcal{T}(\overrightarrow{KL})$ sestrojte obraz daných rovinných útvarů:
a) kružnice $k(S; r)$



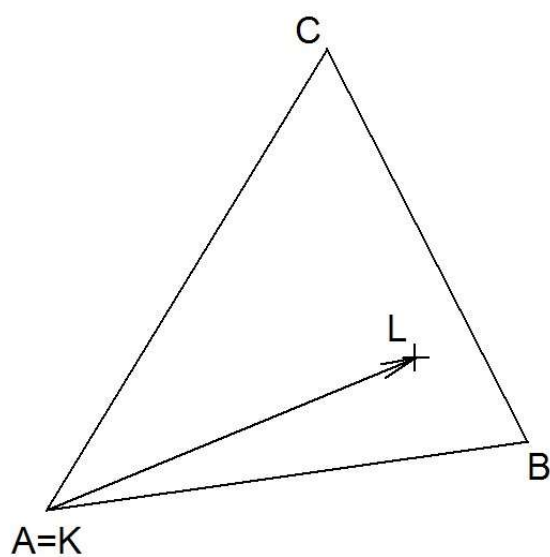
b) kružnice $k(S; r)$



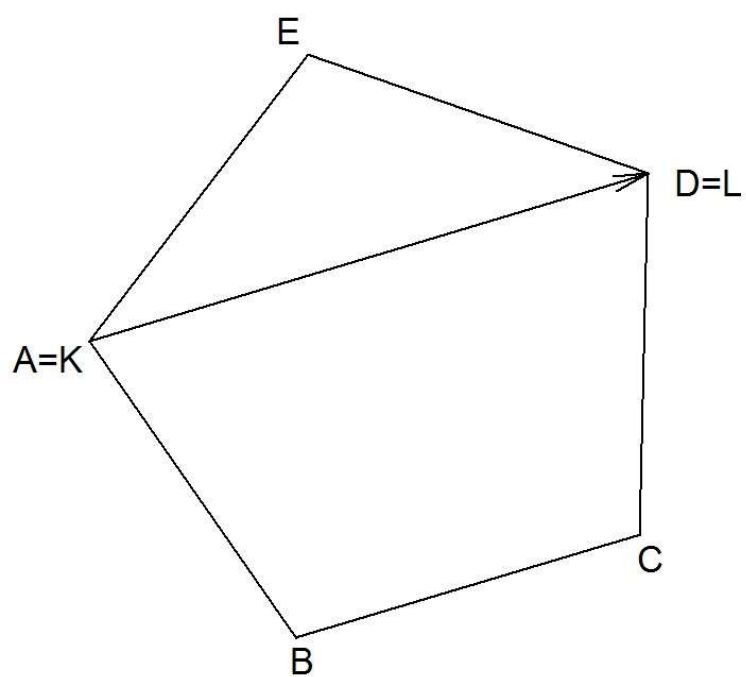
c) trojúhelník ABC



d) trojúhelník ABC

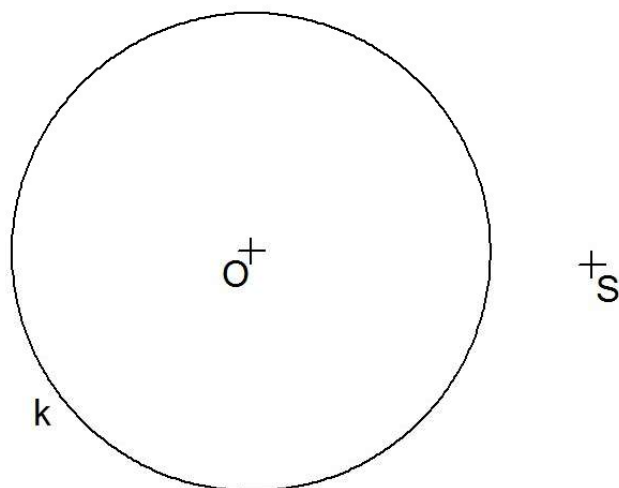


e) pravidelný pětiúhelník $ABCDE$

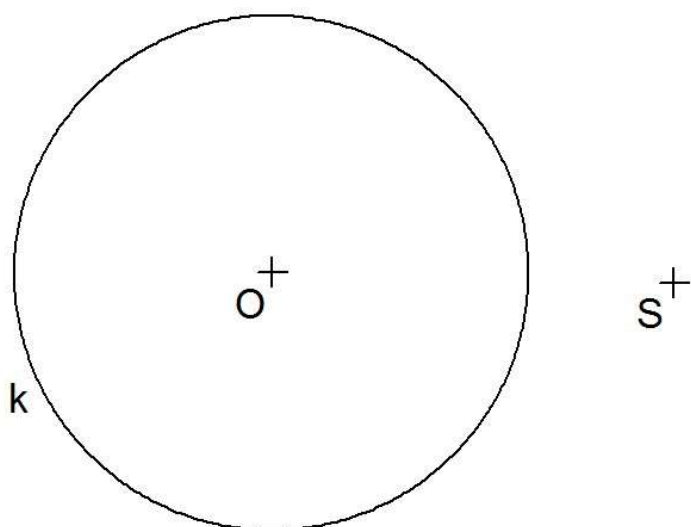


5) Ve stejolehlosti $\mathcal{H}(S; \kappa)$ sestrojte obraz daných rovinných útvarů:

a) kružnice $k(O; r)$, $\kappa = 2$



b) kružnice $k(O; r)$, $\kappa = -\frac{1}{2}$



c) trojúhelník ABC , $\kappa = -\frac{3}{2}$

