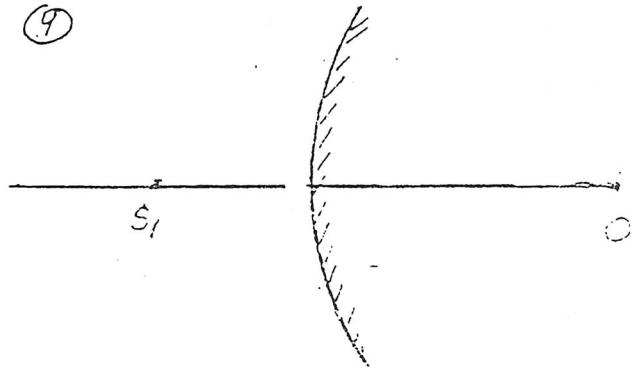
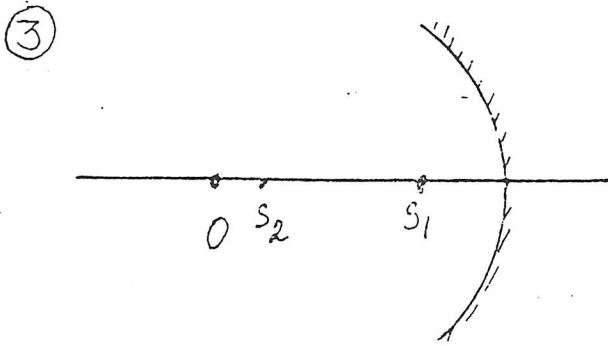
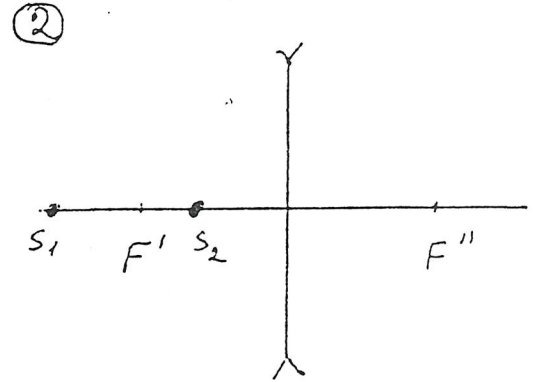
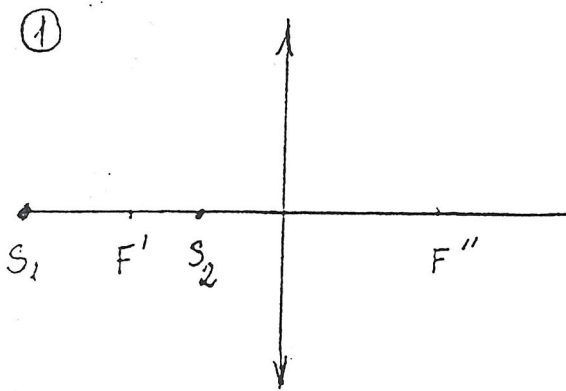


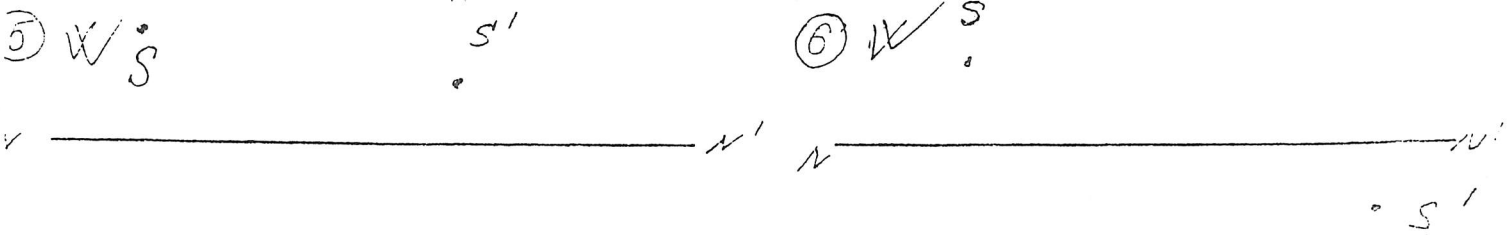
Geometrical optics practical tasks

I. Plot out the image of the point source.

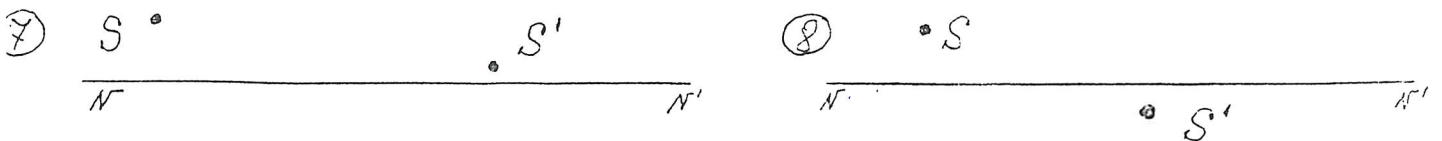


O - is the geometrical center of the mirror

II. Find the position of the optical center of the lens, if positions of the light source S and its' image S' are known.

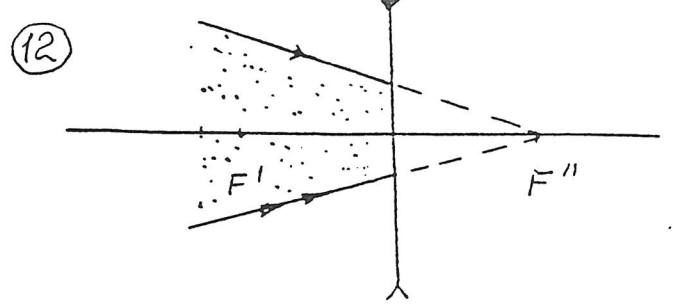
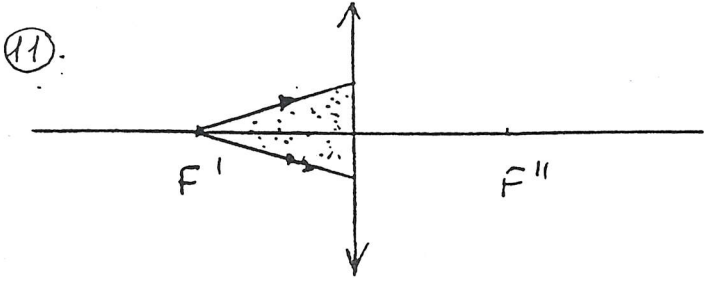
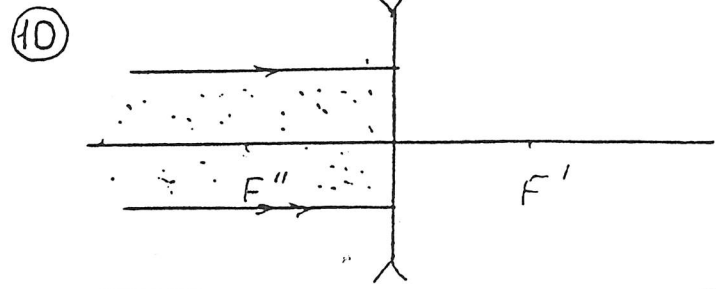
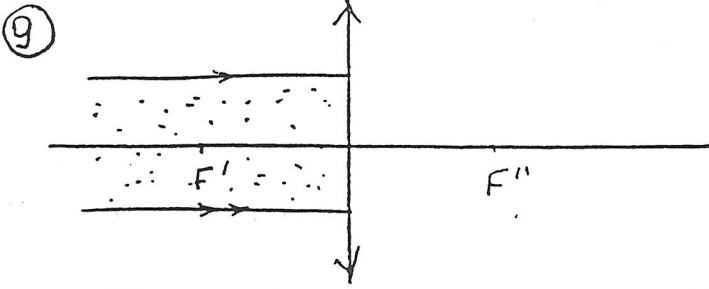


III. Find the apex and the geometrical center of the mirror.

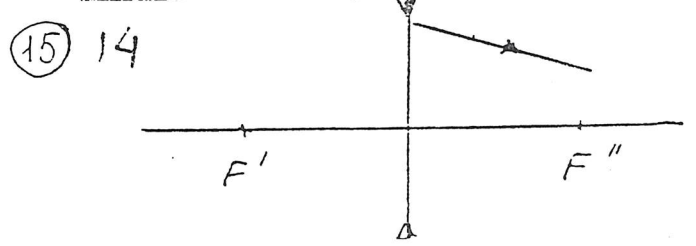
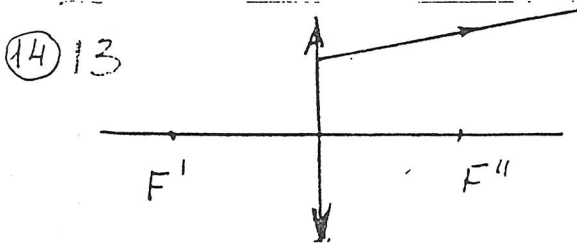


NN' - is the main optical axis.

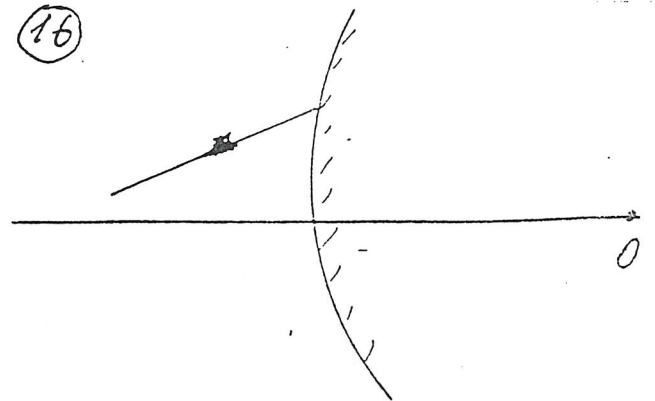
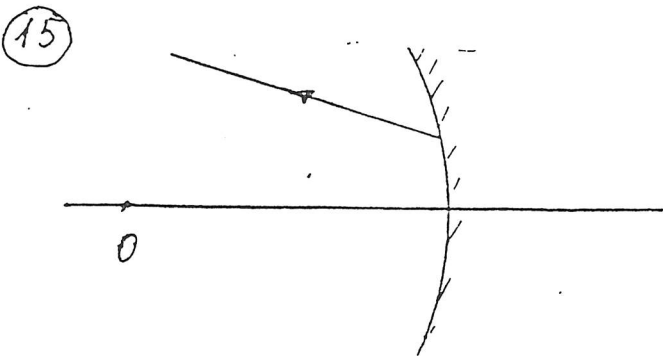
IV. Trace the rays path after refraction in the lens.



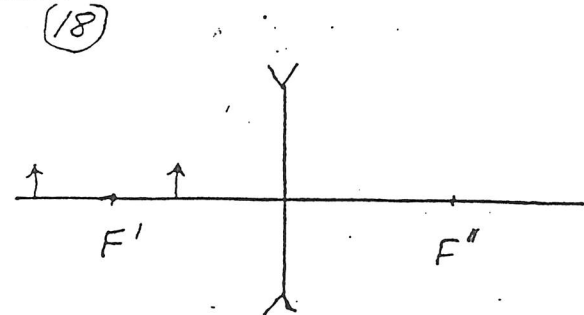
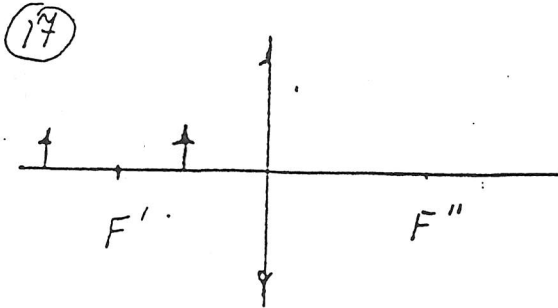
V. Plot out incident rays from known refracted rays.



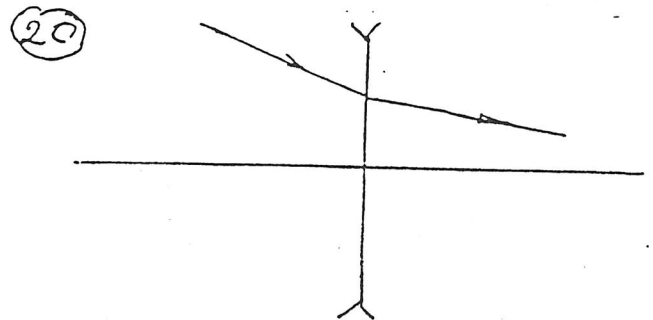
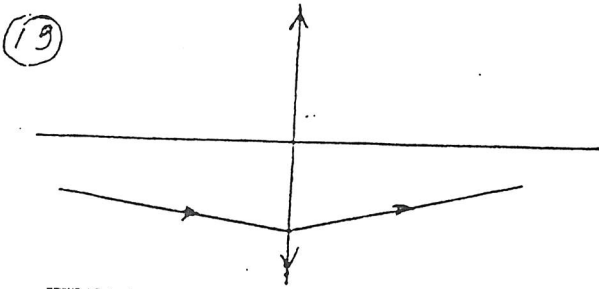
VI. Plot out incident rays from known reflected rays.



VII. Plot out the image of the object.
State, which image is the real and which is the imaginary one.



VIII. Find the focal length of a lens from the given incident and refracted rays.



IX. Trace the rays path in a telescopic system.

