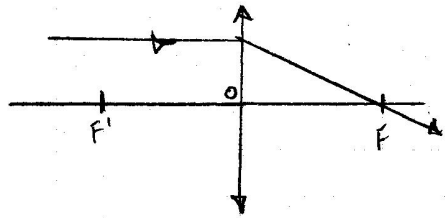
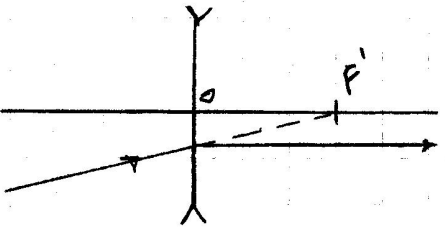
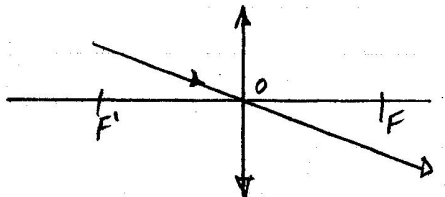
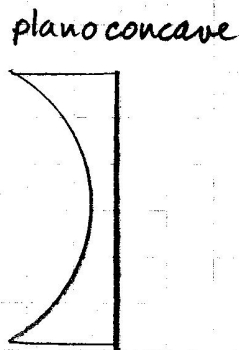
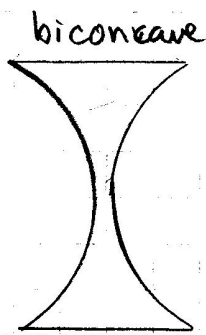


1.

Ray Diagram	Type of ray	Converging/ Diverging lens
	<p>First principle ray.</p>	<p>Converging</p>
	<p>Second principle ray</p>	<p>Diverging</p>
	<p>Third principle ray</p>	<p>Converging.</p>

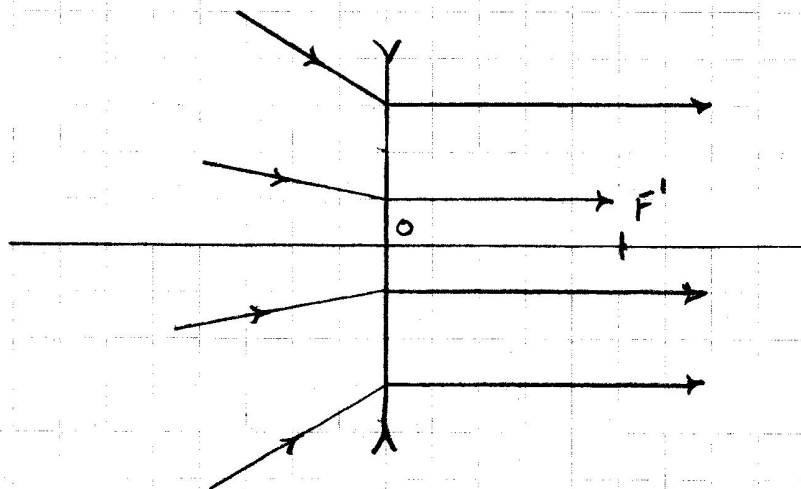
2.



The biconcave lens has a greater difference in thickness between the center & the edges of the mirror than the planoconvex. Therefore, the biconcave will deviate the light more.

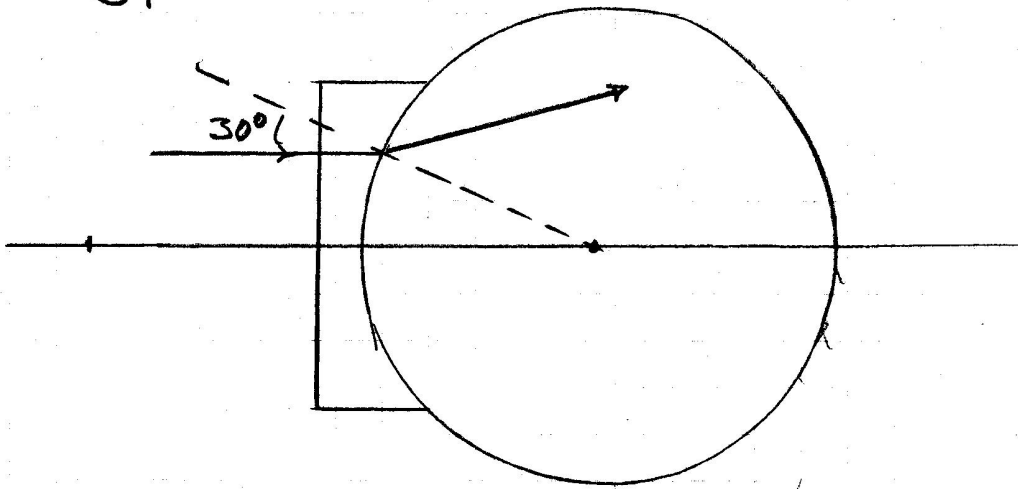
- 3.
- ① Principle axis
 - ② Secondary focal point, F'
 - ③ lens
 - ④ Optical centre, O
 - ⑤ Principle focal point, F

4.



- a) The lens is diverging
- b) F' is called the secondary focal point.
- c) The four rays are all examples of secondary principle rays pointing towards F' and exiting the lens parallel to the principle axis

5.



- a) Planoconcave, diverging lens.
- b) The principle axis.
- c) The ray would bend away from the normal.
- d) The lens is diverging.