

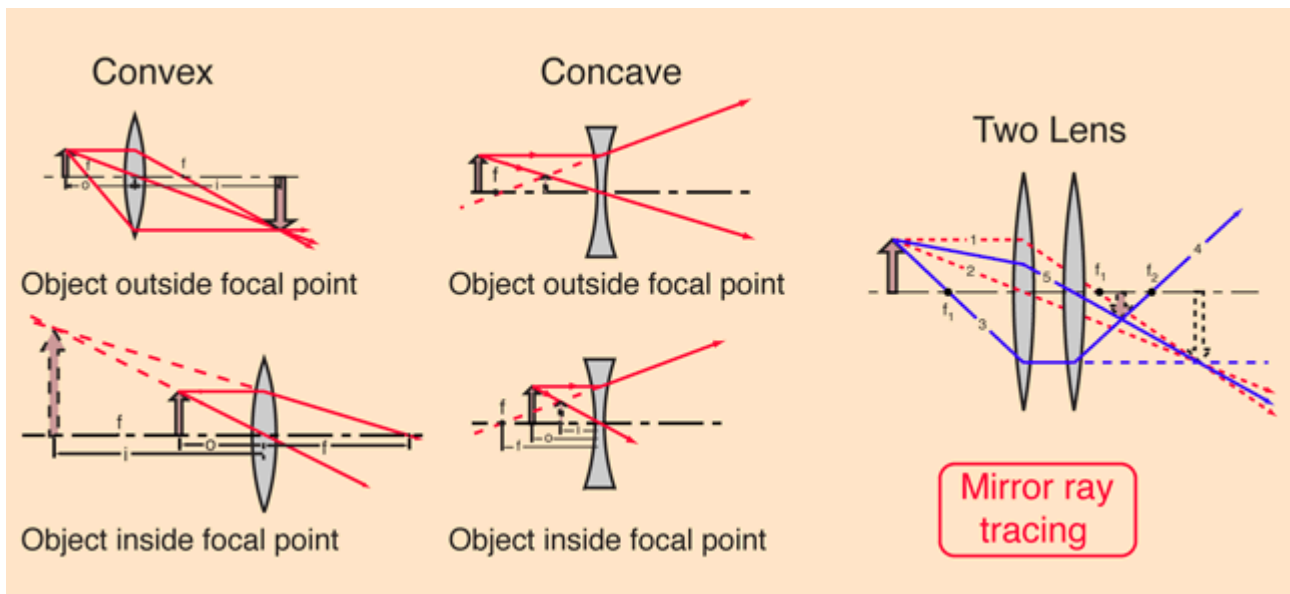
**Supervision 14**  
Jiachen Jiang

Read the following sections of the handouts:

Section 2

**Don't forget to bring a pencil, a ruler and an eraser to the supervision this week.**

*Familiarise yourself by completing the following ray diagrams before answering Q9 and Q10. While reproducing the ray diagrams, link them to the Lens-Maker's Equation and be careful with the plus/minus signs of the numbers.*



**Problem Sheet – Q7-Q11**

**Additional Problem Sheet – Q4 (only if you have time)**

*Tips for Q11:*

*The two lenses are very close to each other. In order to use the Lens-Maker's equation, you may assume there is a very small gap between the two lenses.*

*Alternatively, assuming two lenses of  $n_1$  and  $n_2$  are glued together, try to achieve the same results using the Eq 1 and 2 on page 27 of the handouts.*