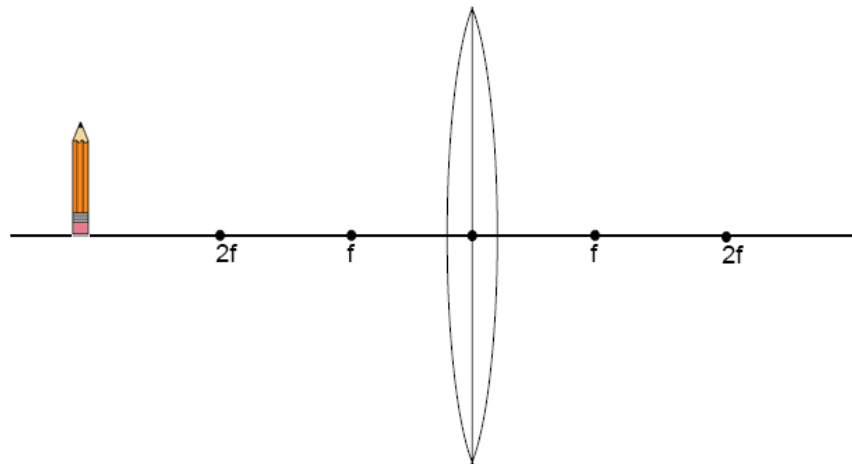
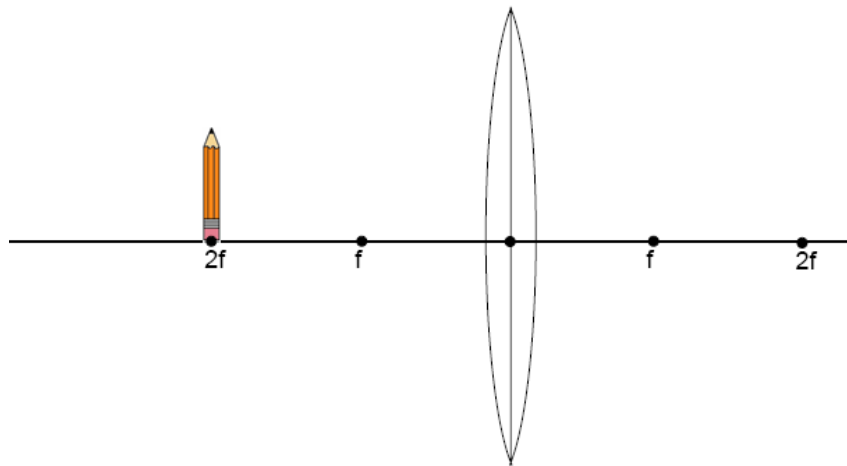


# *Converging & Diverging Lenses Ray Diagrams*

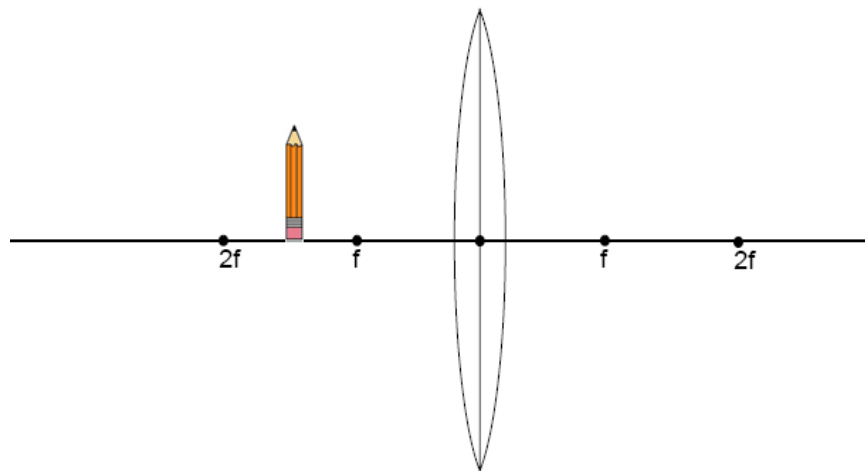
(1)



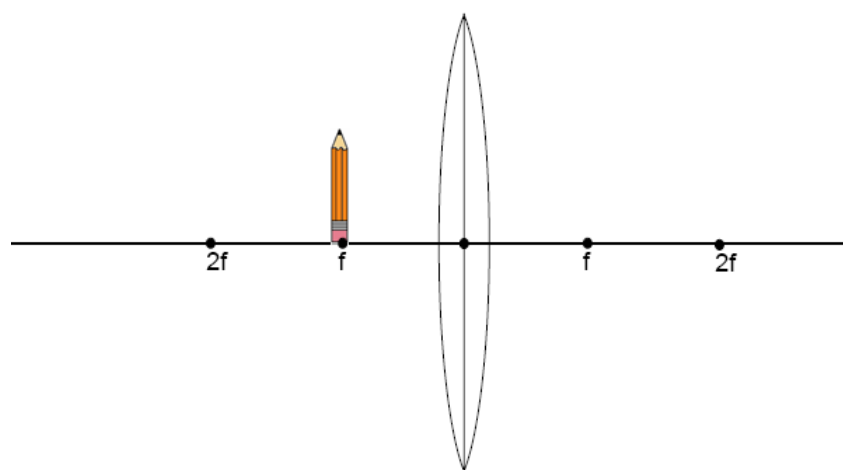
(2)



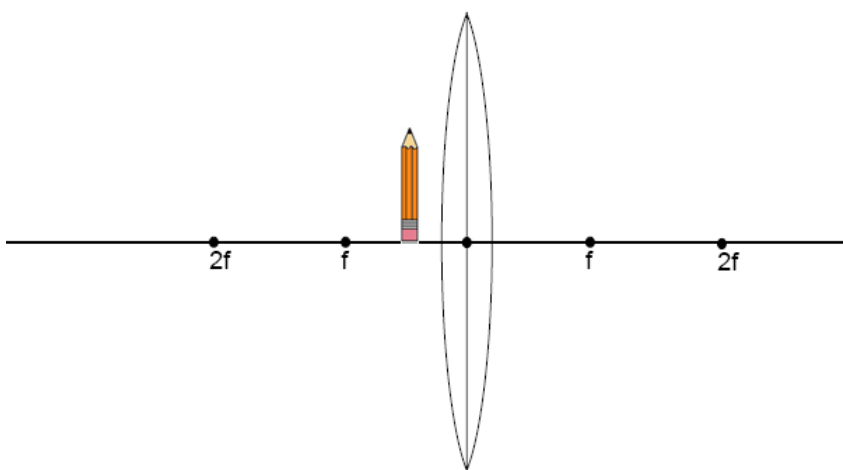
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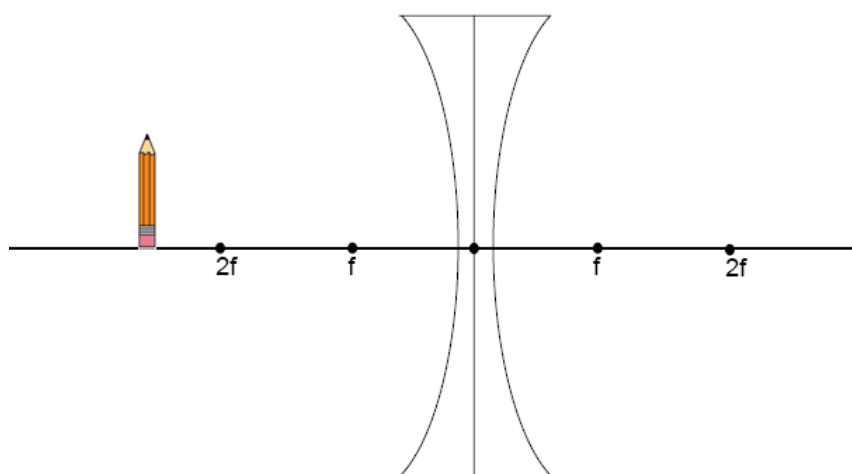
(4)



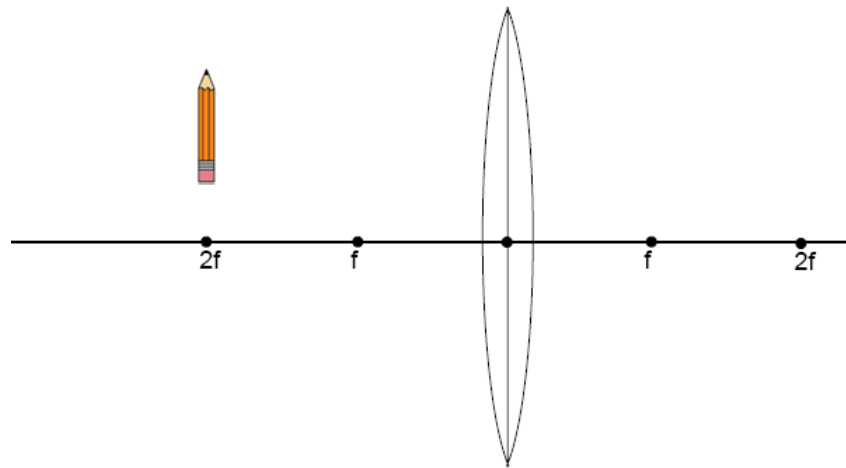
(5)



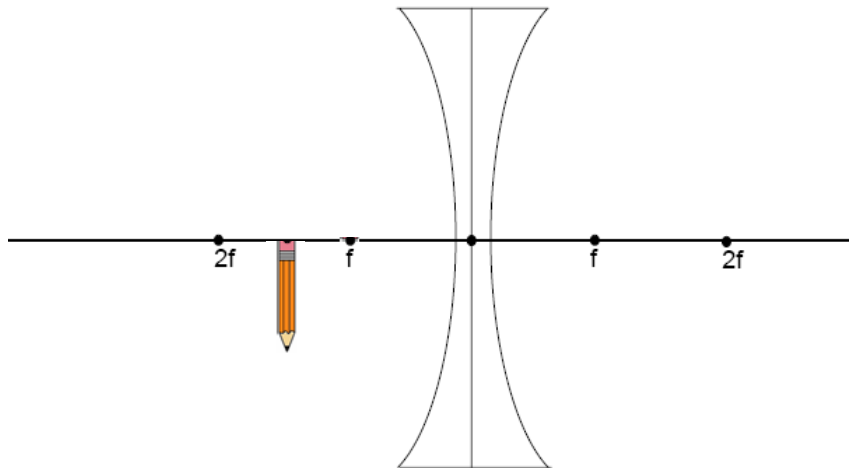
(6)



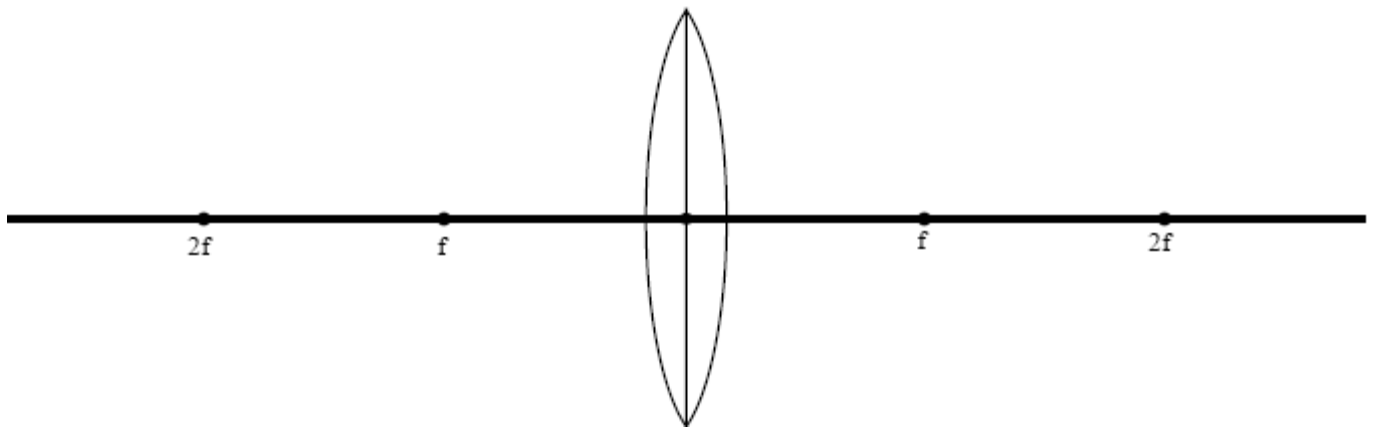
(7)



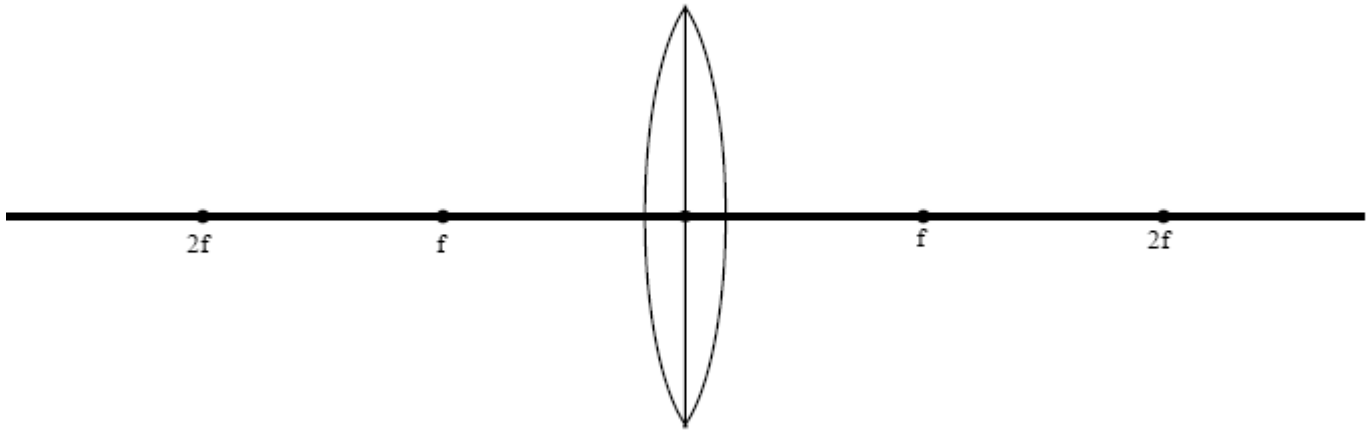
(8)



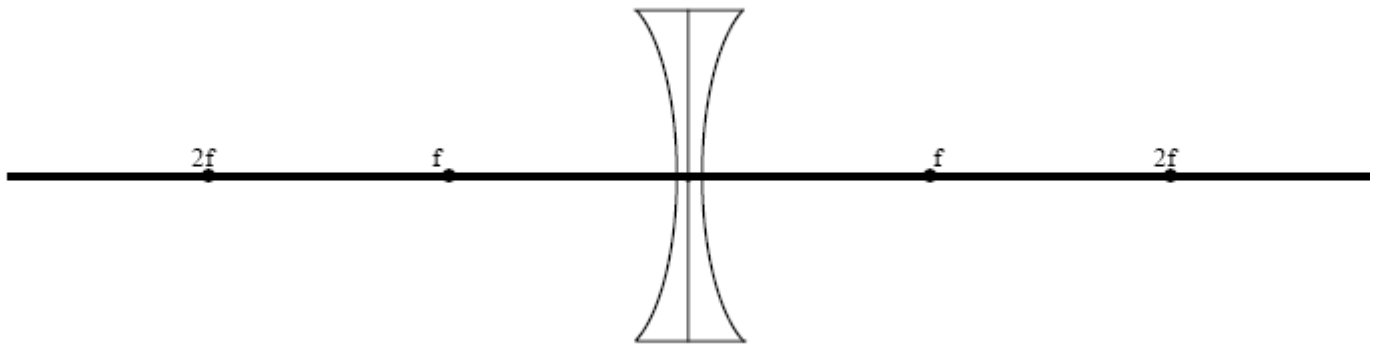
(9) Draw a ray diagram for a 5.0-cm tall object placed 45.0 cm from a converging lens having a focal length of 15.0 cm.



- (10) Draw a ray diagram for a 3.0-cm tall object placed 10.0 cm from a converging lens having a focal length of 15.0 cm.



- (11) Draw a ray diagram for a diverging lens that has a focal length of -10.8 cm when an object is placed 32.4 cm from the lens's surface.



- (12) Draw a ray diagram for an object placed 6.0 cm from the surface of a converging lens with a focal length of 12.0 cm.

