Monday, February 25/13
Science 122

Progress Reports - Feb. 28/13

1. Return: Test- Magnetism

2. Spherical Mirrors: Concave - Continue

3. Ray Diagrams

4. Convex Mirrors

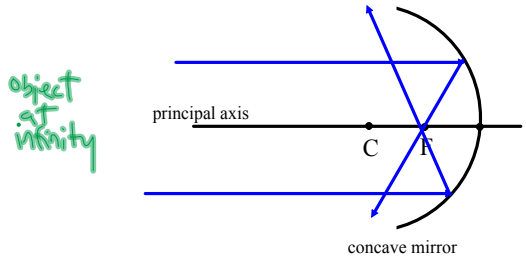
5. Ray Diagrams

6. Fun House Mirrors

7. Formulas

Concave Mirrors

Concave mirrors cause rays parallel to the principal axis to converge at the focal point. Sometimes concave mirrors are called converging mirrors.

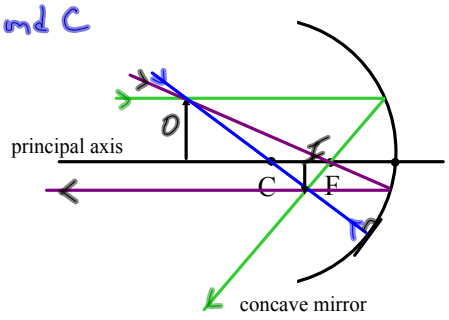


Ray Diagrams
Locating an Image Formed by a Concave Mirror

To locate an image formed by a concave mirror, at least two pairs of incident and reflected rays must be drawn.

1. An incident ray parallel to the principal axis will reflect through the focal point of the mirror.
2. An incident ray that goes through the focal point will reflect parallel to the principal axis.
3. An incident ray that goes through the center of curvature reflects through the center of curvature.

Object Beyond C



POST

P Between C and F

O inverted

S Smaller

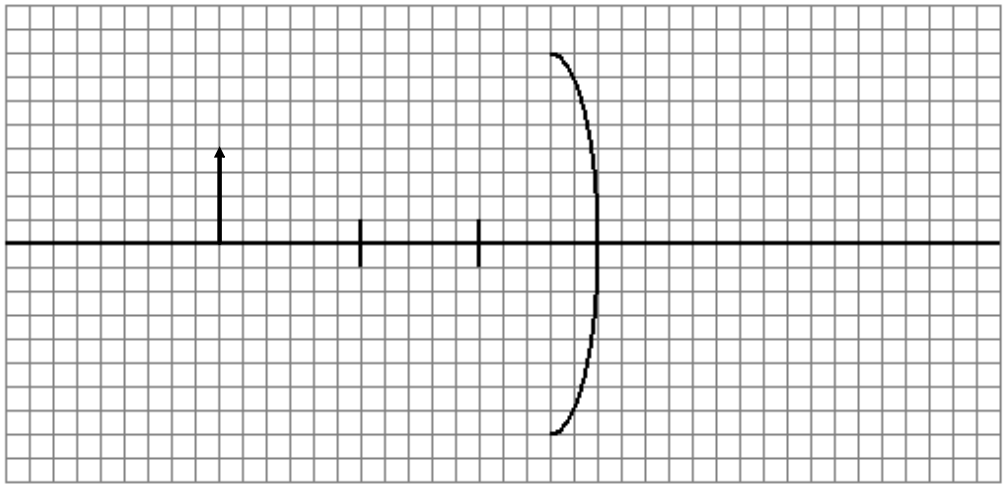
T Real

★

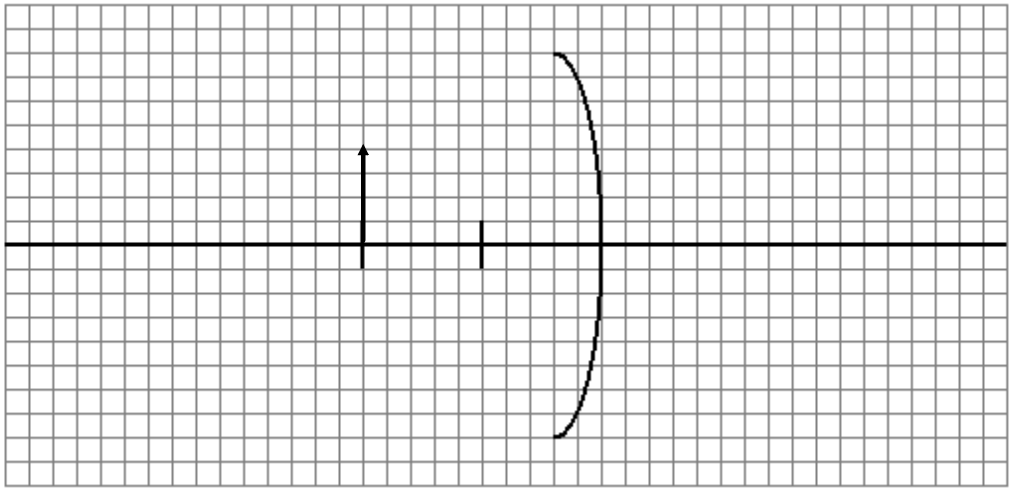
Concave Mirror - Ray Diagrams

INCLUDE POST

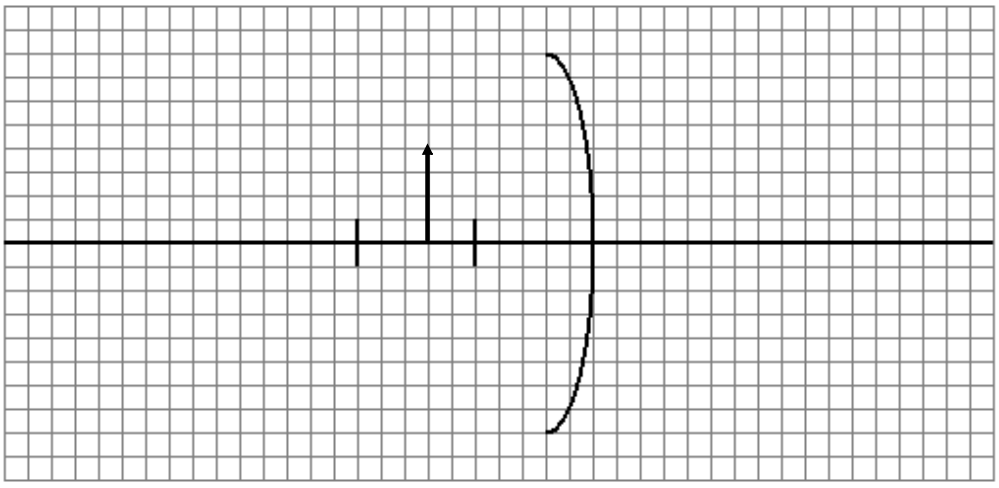
1. Object Beyond C



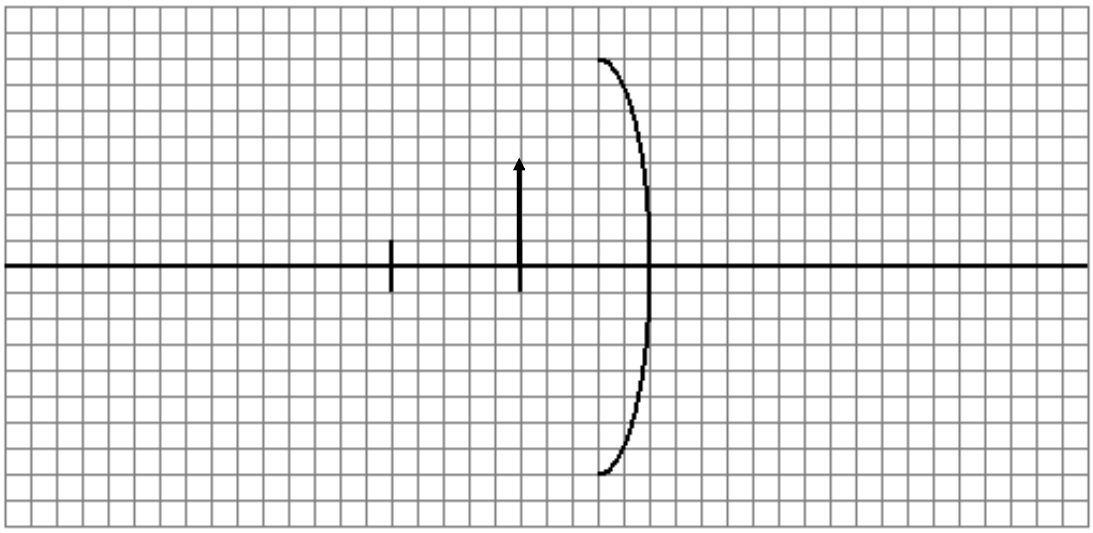
2. Object At C



3. Object Between C and F



4. Object At F



5. Object Between F and Mirror