

Name: _____ Hour: _____

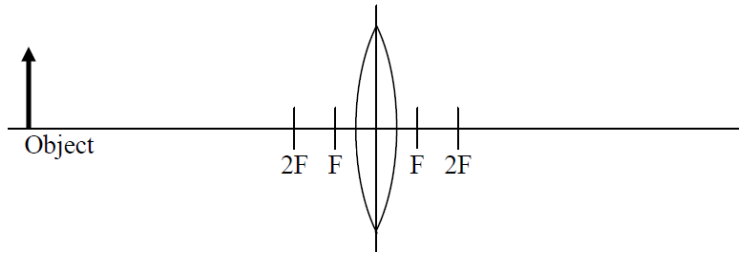
LENS RAY DIAGRAM

Directions: Use the rules from the *Optical Ray Diagram Rules* information sheet, follow along with your teacher to draw the ray diagrams for the various cases of optical references.

Location is **same side as object or opposite side**, Orientation is **upright or inverted**, Size is **smaller or bigger**, Image type is **real or inverted**.

Convex Lens Has multiple cases.

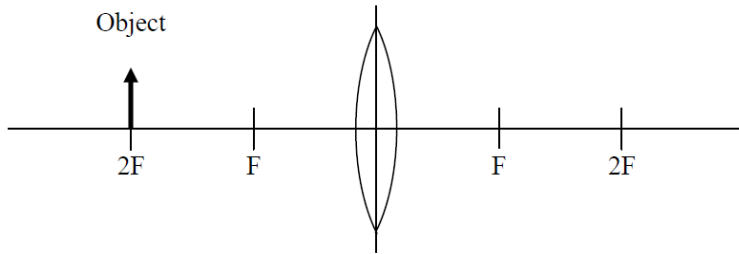
Case I: Object is far beyond 2F (at ∞)



Case I: Image Appears:

1. Location: _____
2. Orientation: _____
3. Size: _____
4. Image Type: _____

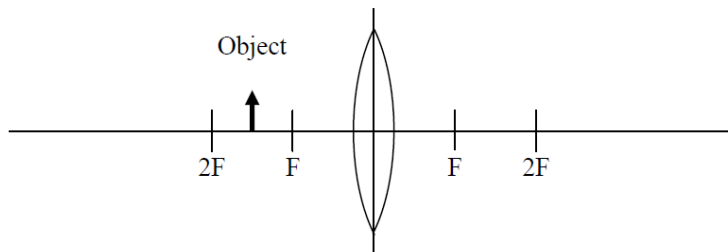
Case II: Object is at 2F



Case II: Image Appears:

1. Location: _____
2. Orientation: _____
3. Size: _____
4. Image Type: _____

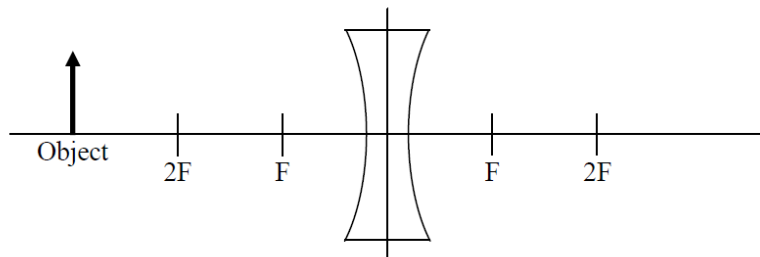
Case III: Object is between 2F and F



Case III: Image Appears:

1. Location: _____
2. Orientation: _____
3. Size: _____
4. Image Type: _____

Concave Lens Has only ONE case.



Concave Lens's Image Appears:

1. Location: _____
2. Orientation: _____
3. Size: _____
4. Image Type: _____