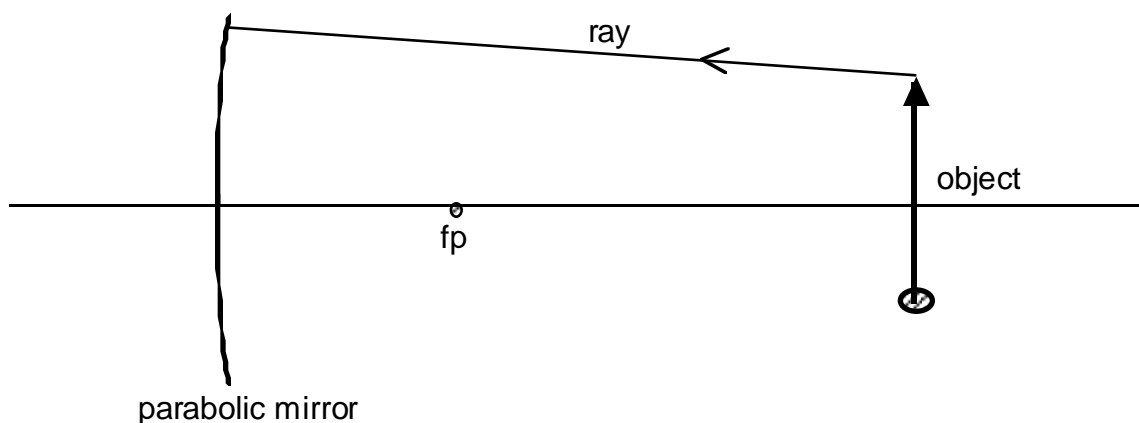


Particle Model of Light

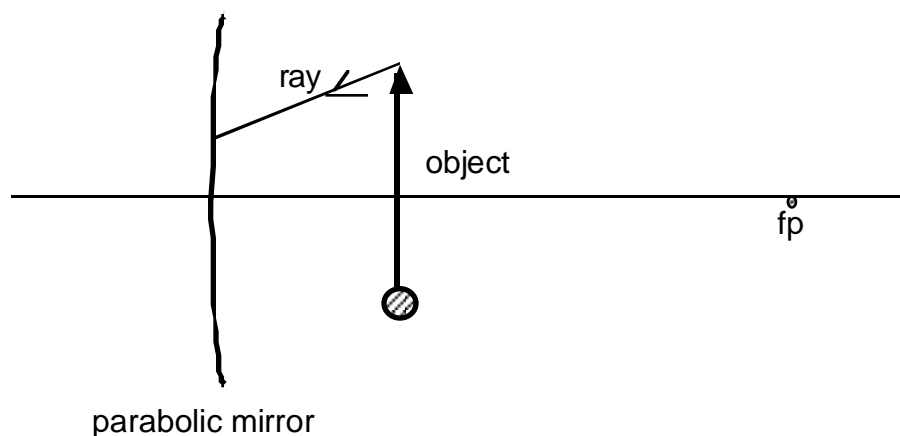
Worksheet 5: Curved Mirror Diagrams (Qualitative)

Part 1- Concave mirrors

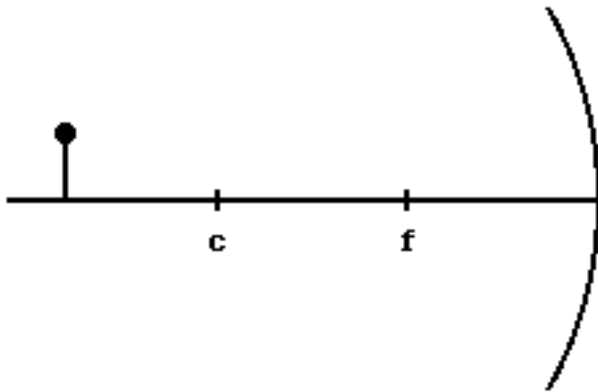
- Find the location of the image of the arrow tip and draw it.
 - Find the location of the image of the arrow bottom and draw it.
 - Draw in the entire image.
 - Once you have located the image, trace the path of the given ray after it reflects from the mirror to an observer.



- Using light rays from both the tip and bottom of the arrow, locate the image of the arrow.
 - Trace the path of the given ray after it reflects from the mirror to an observer.

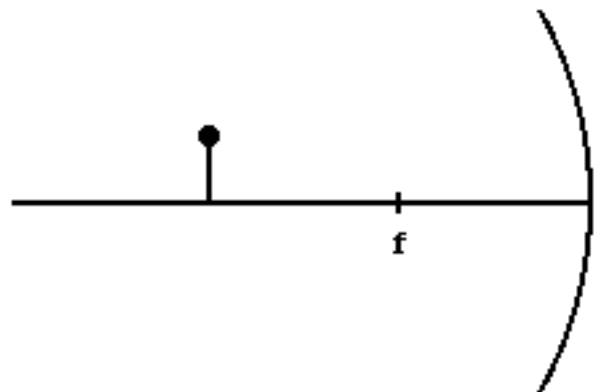


In each of the situations below, sketch a ray diagram that allows you to determine the image location and characteristics: size, and is the image real or virtual, upright or inverted?



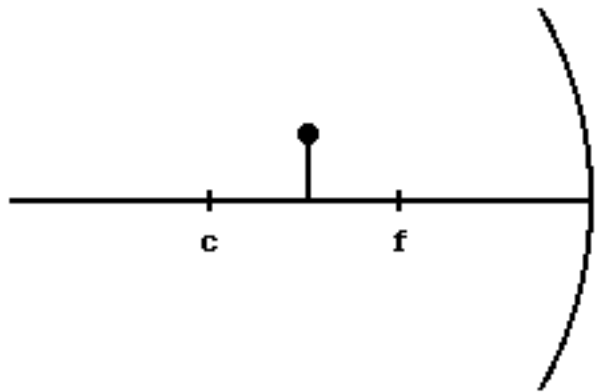
3. location _____

characteristics _____



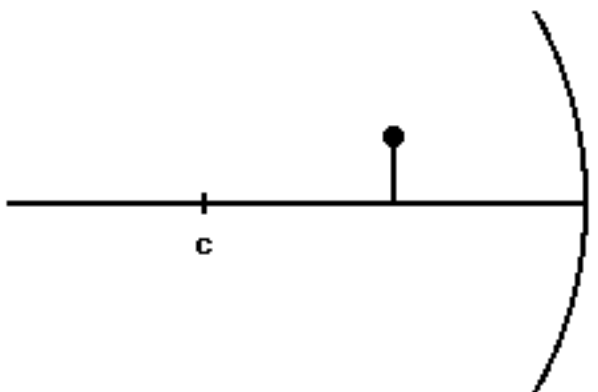
4. location _____

characteristics _____



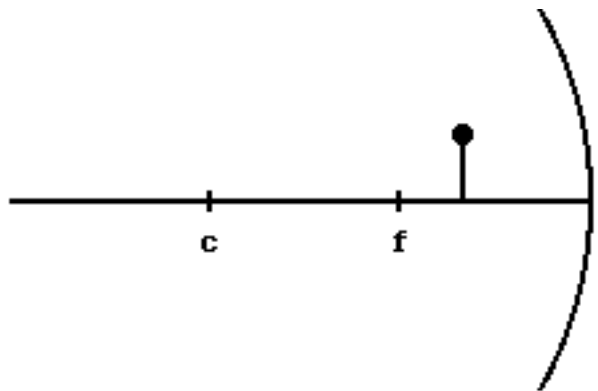
5. location _____

characteristics _____



6. location _____

characteristics _____

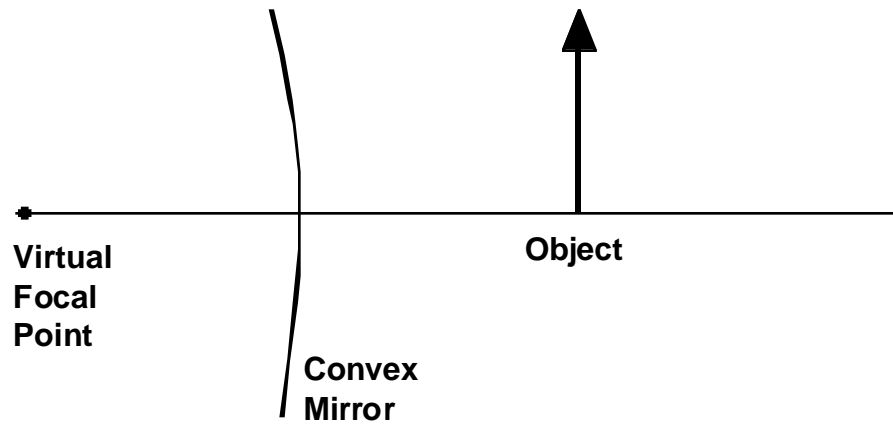


7. location _____

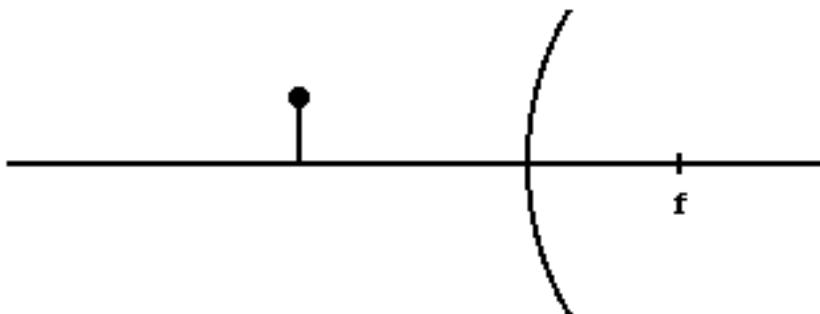
characteristics _____

Part 2- Convex mirror

8. a. Locate the image in the convex mirror.
- b. Trace 4 additional rays from the tip of the object to the mirror and back to an observer.



In the situation below, sketch a ray diagram that allows you to determine the image location and characteristics.



9. location _____

characteristics _____