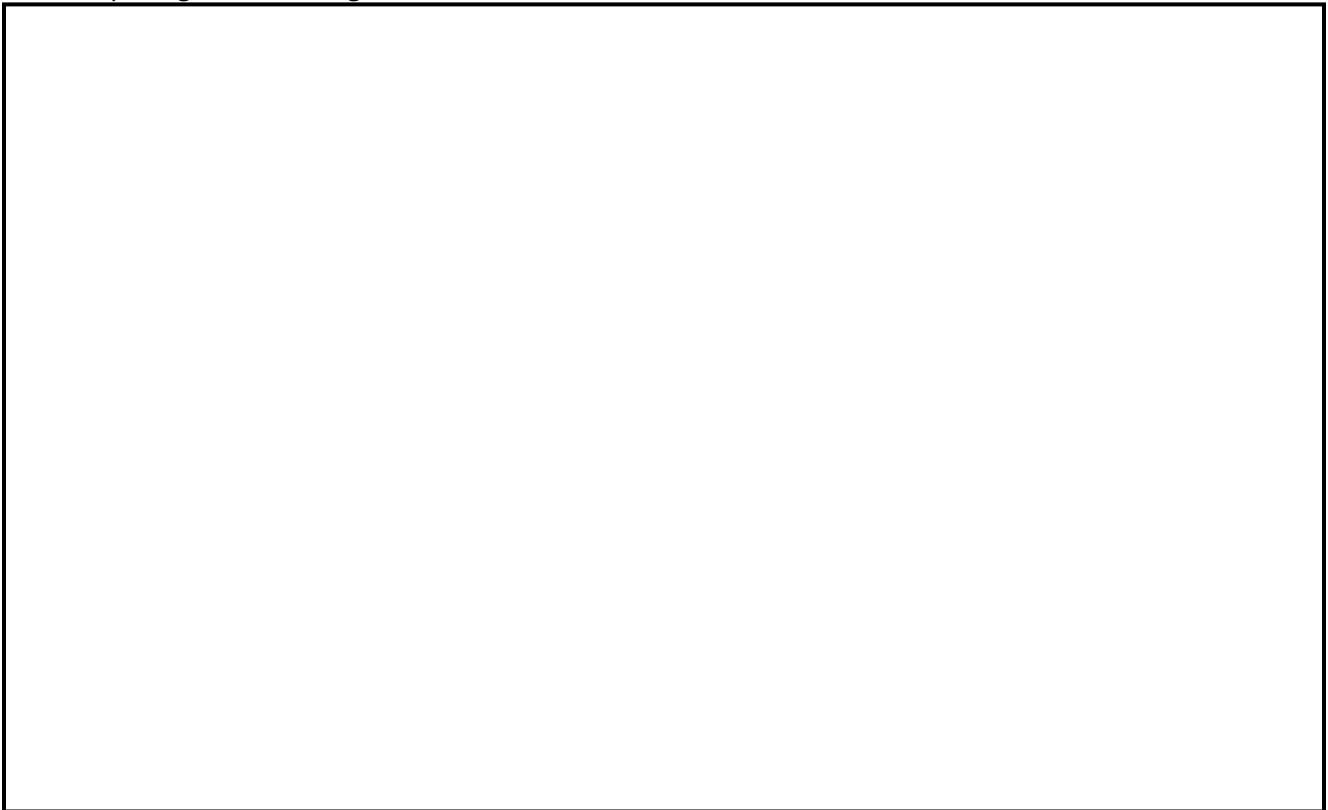


Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Drawing Ray Diagram for Plane Mirrors

**Step 1:** Draw a line to represent a plane mirror. Draw a simple object on the left side of the mirror. Label one end of the object A and the other end B.

Ray Diagram Drawing:



**Step 2:** Draw an incident ray from A to the mirror at  $90^\circ$ . Draw the reflected ray backward along the same line as the incident ray. Using a dashed line, extend the reflected ray behind the mirror.

**Step 3:** Draw another incident ray from A at an angle to the mirror. Draw the normal. Measure the angle of incidence and draw the reflected ray. Using a dashed line, extend the reflected ray behind the mirror until it meets the other dashed line.

**Step 4:** Repeat the same process for Point B.

**Step 5:** Describe the image produced using LOST.

- Location: \_\_\_\_\_
- Orientation: \_\_\_\_\_
- Size: \_\_\_\_\_
- Type: \_\_\_\_\_