

Drawing Ray Diagrams for Plane Mirrors

INSTRUCTIONS

Steps:

1. Draw a line to represent a plane mirror.
2. Draw a simple object (i.e. pencil, arrow, etc...).
3. Label one end of the object A and the other end B.
4. Draw an incident ray from point A on the object to the mirror at 90° .
5. Draw the reflected ray backwards along the same line as the incident ray.
6. Using a dashed line, extend the reflected ray behind the mirror.
7. Draw another incident ray from A at an angle to the mirror (**Not a 90° angle**).
8. Draw the normal as a dotted line. The normal is located at a 90° angle to the mirror.
9. Measure the angle of incidence and draw the reflected ray.
10. Using a dashed line, extend the reflected ray behind the mirror until it meets the other dashed line.
11. Repeat steps 4 to 10 for point B on the object.

Ray Diagram for Plane Mirror:

Description of the Image:

Location: _____

Orientation: _____

Size: _____

Type: _____

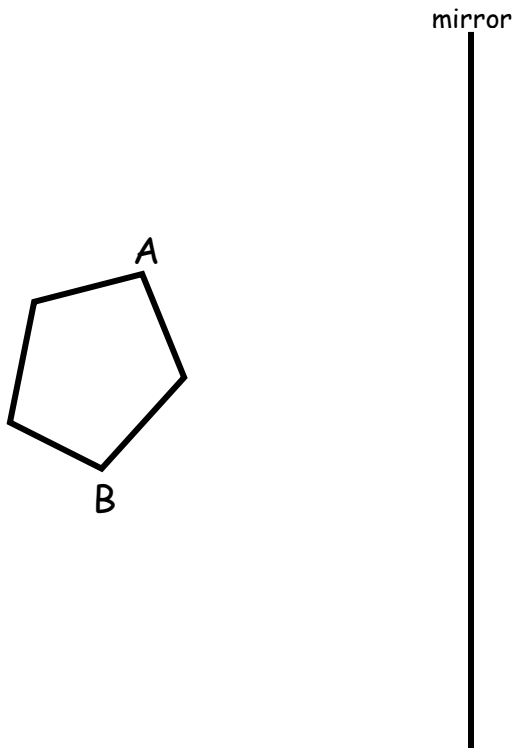
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PRACTICE

Steps:

1. Draw a line to represent a plane mirror.
2. Draw a simple object (i.e. pencil, arrow, etc...).
3. Label one end of the object A and the other end B.
4. Draw an incident ray from point A on the object to the mirror at 90° .
5. Draw the reflected ray backwards along the same line as the incident ray.
6. Using a dashed line, extend the reflected ray behind the mirror.
7. Draw another incident ray from A at an angle to the mirror (**Not a 90° angle**).
8. Draw the normal as a dotted line. The normal is located at a 90° angle to the mirror.
9. Measure the angle of incidence and draw the reflected ray.
10. Using a dashed line, extend the reflected ray behind the mirror until it meets the other dashed line.
11. Repeat steps 4 to 10 for point B on the object.

Ray Diagram for Plane Mirror:



Description of the Image:

Location: _____

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