

Name: _____

Period: _____

Date: _____

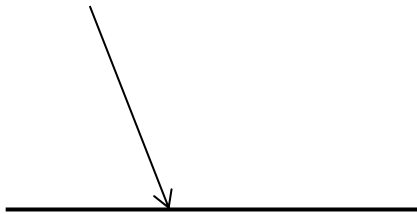
The Law of Reflection Worksheet Supplement

Complete the front of this page **prior** to completing the **Law of Reflection Worksheet**, and the reverse side **after** completing the **Law of Reflection Worksheet**.

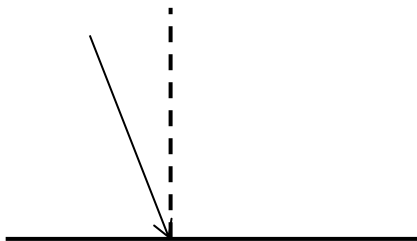
When completing a problem involving The Law of Reflection, it can be a bit confusing at first. As long as you have a ruler (or straight-edge) and a protractor, it becomes a simple process.

Let's say you have the following problem:

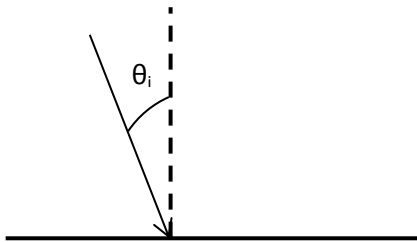
Use the Law of Reflection to draw the path of the reflected ray from the mirror in the diagram below:



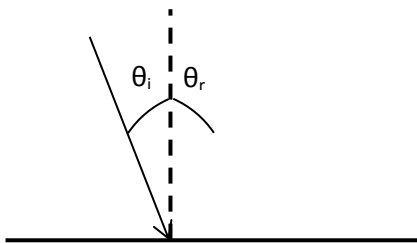
Here's how one would complete this type of problem.



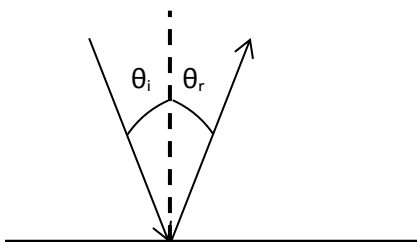
Step 1: Draw a line normal to the surface of the mirror at the point where the *incident ray* strikes the mirror.



Step 2: Using a protractor, measure the angle of incidence between the *incident ray* and the *normal*.



Step 3: Measure the angle of reflection from the normal.



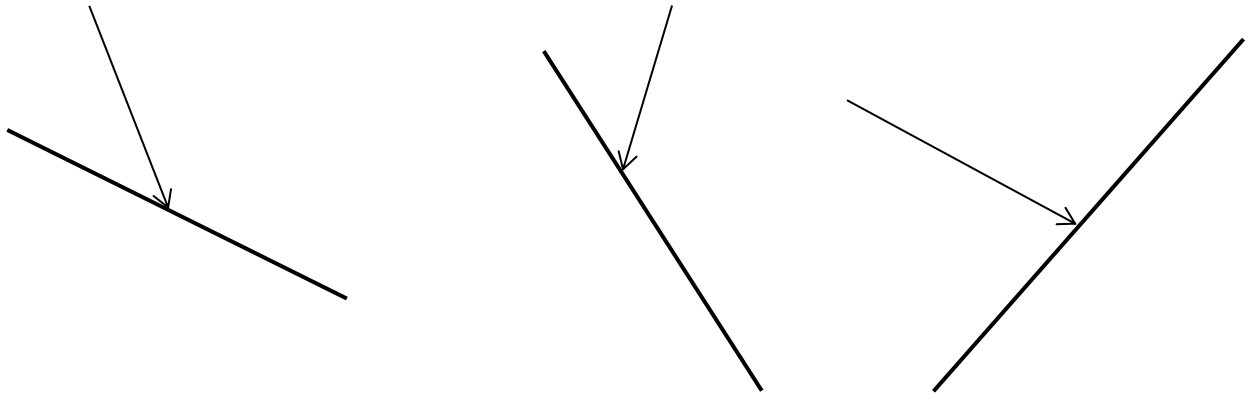
Step 4: Draw the reflected ray.

Name: _____

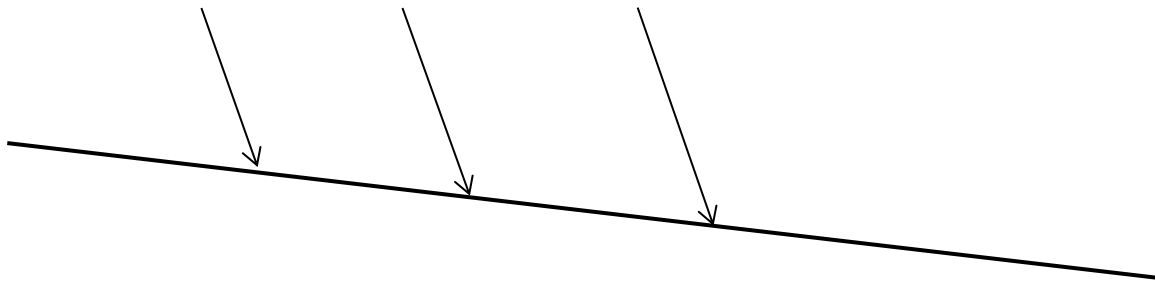
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10. For each of the following incident rays, draw a line normal to the surface where the incident ray strikes the surface, and draw the reflected ray.

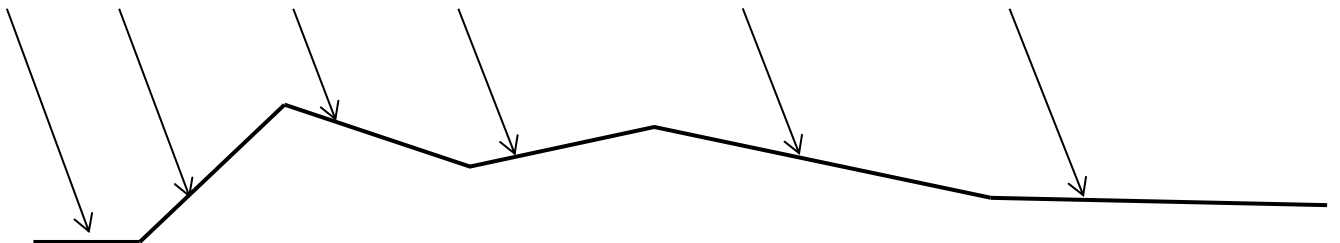


11. Draw the reflected rays for the incident rays shown below. Include the normal at each point where the incident ray strikes the surface of the mirrors.



a. Is this an example of specular reflection or diffuse reflection? How do you know?

12. Draw the reflected rays for the incident rays shown below. Include the normal at each point where the incident ray strikes the surface of the mirrors.



a. Is this an example of specular reflection or diffuse reflection? How do you know?