

Plane Mirror Reflection

Name _____ Date _____

Source Notes:

This lab was modeled after the “Law of Reflection of Light” lab #32
“Laboratory Physics”, Murphy Doyle, Merrill, 1990.
ISBN 0-675-02477-3

Jim Haine - Wissahickon High School, Ambler PA.
1997(?)
Modified 2010

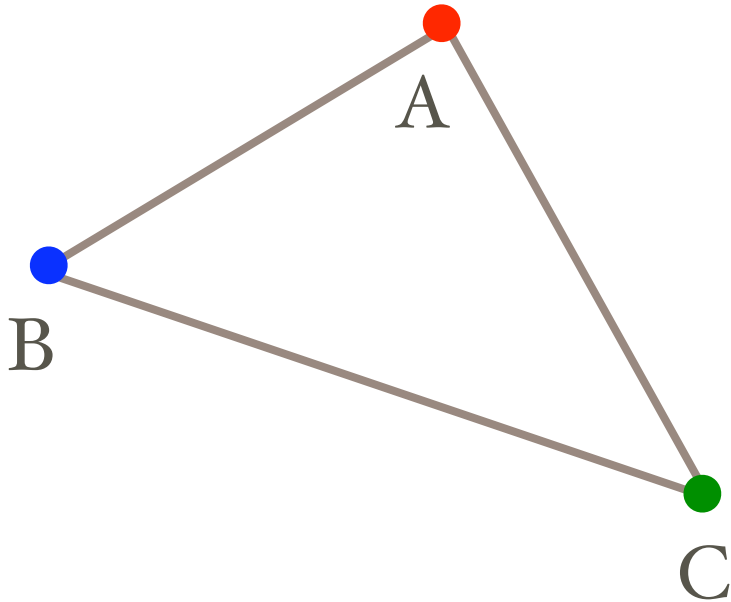
Teacher Notes:

Modifications:

Grade

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Measurements

	D_i	D_o	θ_i	θ_r
A				
B				
C				

Conclusions:

1. Using your observations from Table 1, what can you conclude about the angle of incidence and the angle of reflection?
2. How far behind a plane mirror is the image of an object that is located in front of the mirror?
3. Using your observations from Table 2, compare the size and orientation of your constructed image with those of the triangle object.
4. From your observations in this experiment, summarize the general characteristics of images formed by plane mirrors.
5. Why do you think the image formed by a plane mirror is called virtual rather than real?

Grade