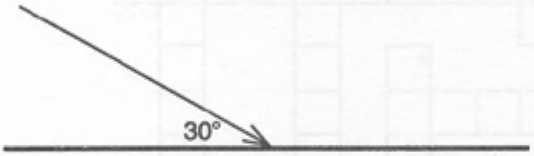
REFLECTION

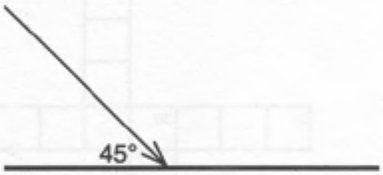
Name _____

Draw the expected path of the light rays as they reflect off the following plane mirrors.

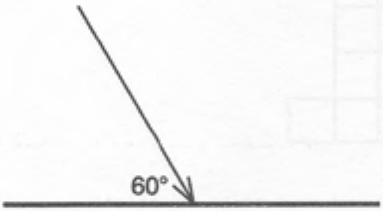
1.



2.



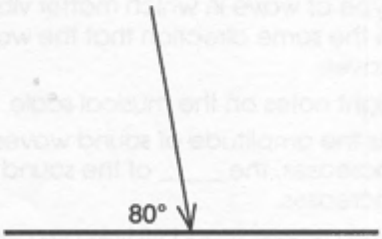
3.



4.

5.

6.

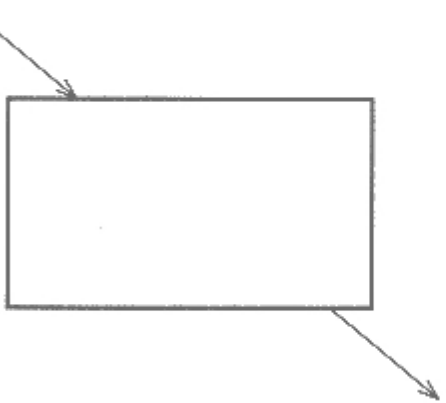


REFRACTION

Name _____

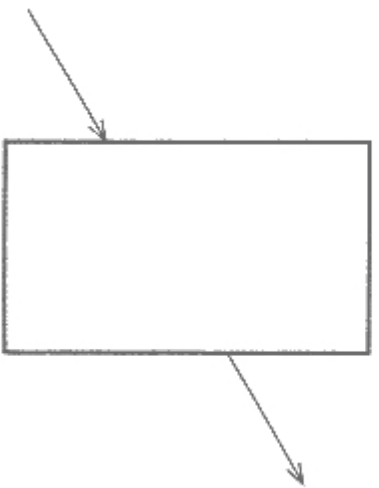
Draw the pathway of the light beam as it passes through each of the following substances. Using a protractor, measure the refracted angle.

1.

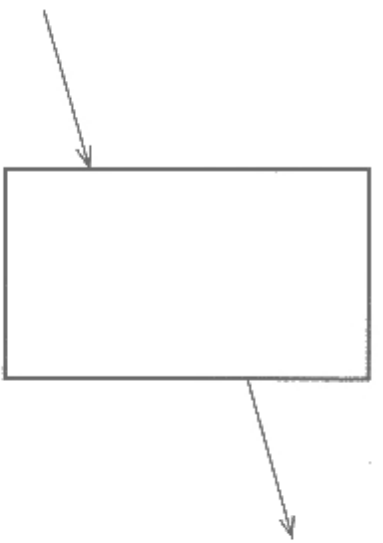


Which substance has the greatest index of refraction? _____

2.



3.



LIGHT RAYS AND CONVEX LENSES

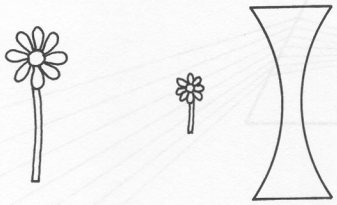
Name _____

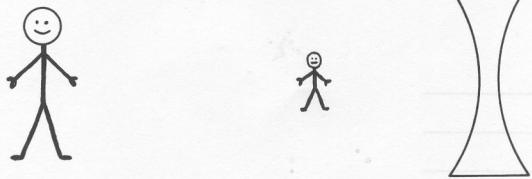
Draw the pathways of the light from the objects on the left through the convex lenses. Label the focal point and the inverted image.

LIGHT RAYS AND CONCAVE LENSES

Name _____

Draw the path of light through the concave lenses below. Label the image and focal point.

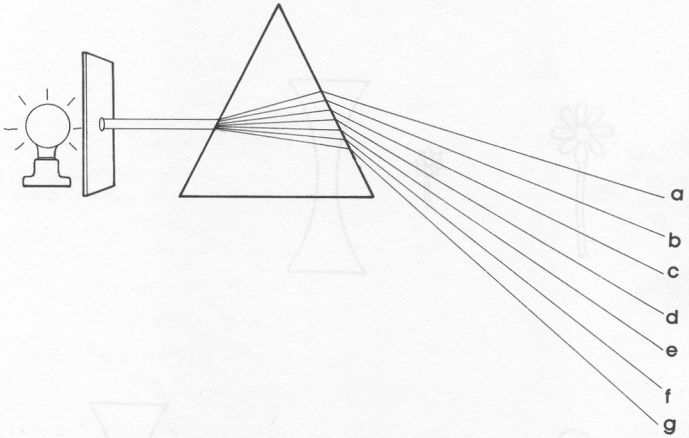




WHITE LIGHT SPECTRUM

Name _____

Label the colors coming through this prism as the white light is reflected through it.



a) _____

b) _____

c) _____

d) _____

e) _____

f) _____

g) _____