

HW

1) Images formed by mirrors are:

A) C) Both real and virtual

2) On Refraction through a parallel faced glass slab the emergent ray is,

A) a) Parallel to incident ray.

3) If the angle of Incidence is 50° and then calculate the angle between the Incident ray and refracted ray.

A) b) 100°

4) The angle of refraction for a ray of light going from denser to rarer medium is less than angle of incidence

A) d) never

5) Name the type of mirror used as a back view mirror

A) c) Convex mirror

6) In air all colours propagate

A) h) Nearly same speed

7) Column-1

Column-2

7 → a) The line joining the center of curvature of two surface of a lens → A → Principal axis

b → A ray of light of light passing through it does not change its path after refraction through a lens.

o A → s) optical center

c → Real, inverted of the same size as the object.

A → q → (convex lens)

d → A virtual, erect and diminished image for all positions of the object

A → p → object at the $2f$ point.