

HW

## Home Assignment

① Which one of the following materials cannot be used to make a lens?

(a) A lens allows light to pass through it. Since clay does not show such property, it cannot be used to make lens.

② The image formed by a concave mirror is observed to be virtual, erect and larger than the object, where should be the position of the object.

(d) Between the pole of the mirror and its principal focus.

(3) Where should an object be placed in front of a convex lens to get a real image of the size of the object?

(b) At twice the focal length.

(4) A Spherical mirror and a thin spherical lens have each a focal length of  $-15\text{ cm}$ . The mirror and the lens are likely to be -

(a) both concave.

(5) No matter how far you stand from a mirror, your image appears erect. The mirror is likely to be -

(d) either plane or convex.