

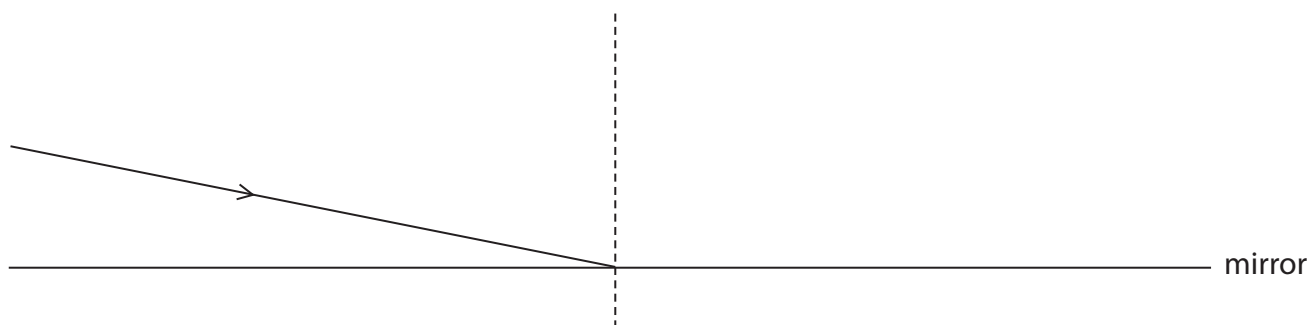
4 A student investigates the reflection of light by a plane mirror.

The student uses a ray box, a ruler, a pencil and a mirror.

(a) Name the apparatus that can be used to measure angles during the investigation.

(1)

(b) The diagram shows a ray of light directed to a point on the mirror.



(i) Label the angle of incidence.

(1)

(ii) Measure the angle of incidence.

(1)

angle of incidence = degrees

(iii) Complete the diagram to show the ray reflected from the mirror.

(2)

(Total for Question 4 = 5 marks)

