

# Worksheet |

Lower Secondary  
Stage (6-8)

1<sup>st</sup> Semester | 2023-2024

Name: \_\_\_\_\_

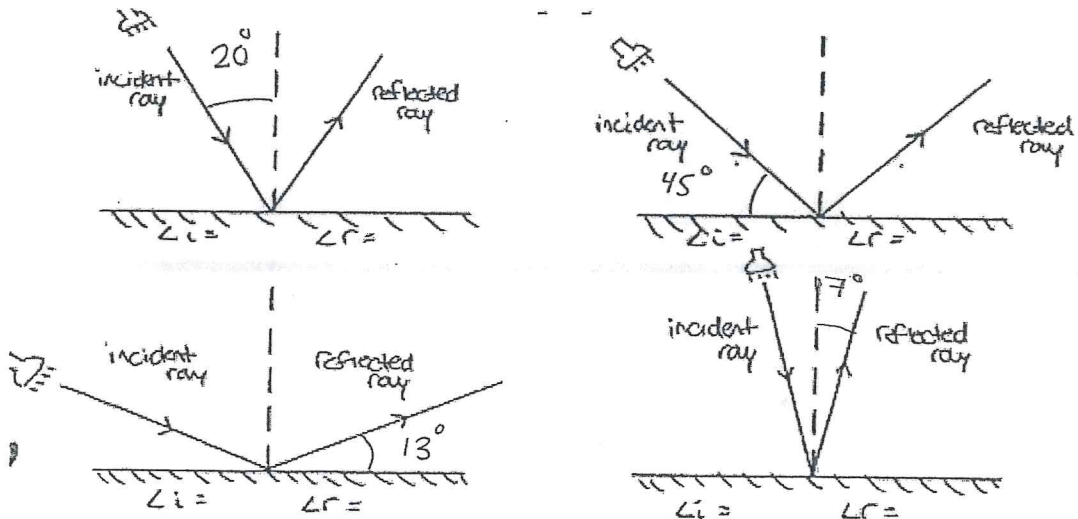
Subject: Physics

Topic: Reflection and Refraction

### Objectives:

- To be able to sketch reflection and refraction ray diagrams
- To be able to find out the measure of the angles of incidence and reflection

1) Use the given information to find the measure of the angles of incidence and reflection:

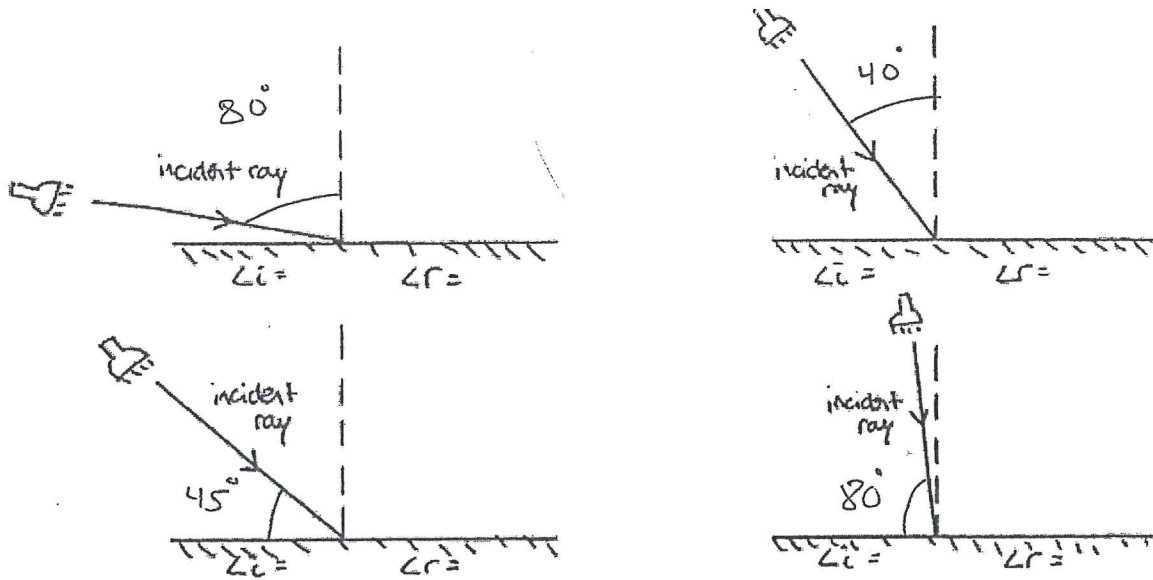


2) A student does an experiment with a mirror. She measures the angle between the mirror and the reflected ray and finds that it is  $15^\circ$ .

a) What is the angle of incidence? \_\_\_\_\_

b) What is the angle of reflection? \_\_\_\_\_

2) Sketch the following reflection ray diagrams:



3) Complete the following refraction ray diagrams

