

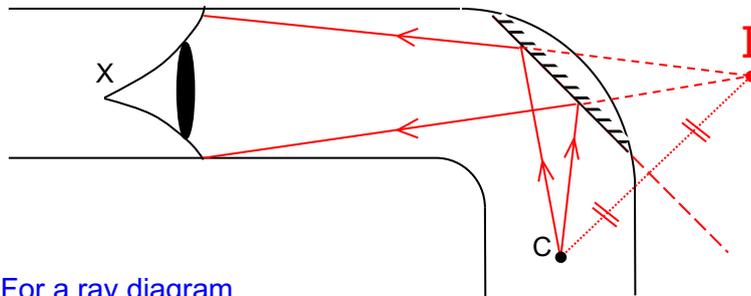


2025 Sec 3 Physics Assignment 02 (Answers)

Reflection

Name: _____ () Class: 3/ ___ Date: _____

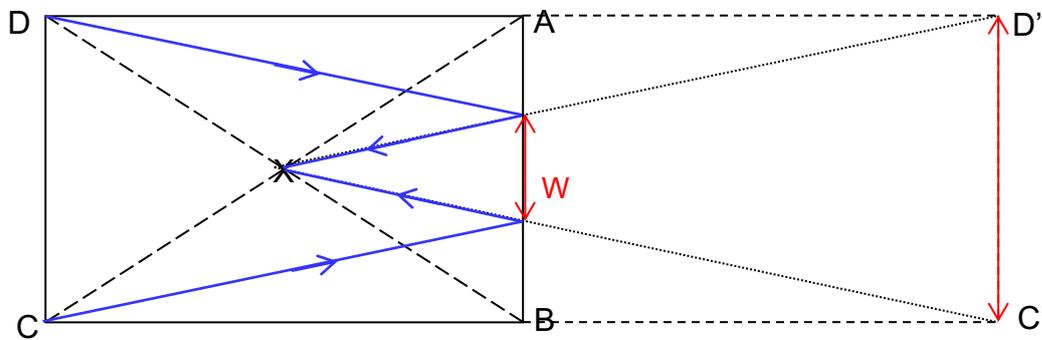
1



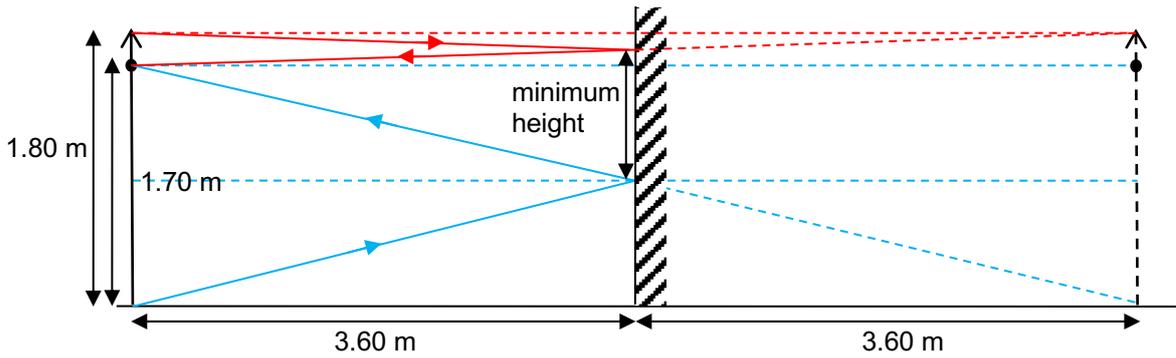
Note: For a ray diagram

1. Use pencil & ruler
2. Show arrows on every light ray
3. Draw accurate construction lines with dashed lines
4. Use protractor/set square to ensure right angles!

2



3



- (b) distance = $2 \times 3.60 \text{ m} = 7.20 \text{ m}$
- (c) height = 1.80 m
- (d) minimum height of mirror = $\frac{1}{2} \times 1.80 \text{ m} = 0.90 \text{ m}$
- (e) height of mirror above the floor = $\frac{1}{2} \times 1.70 \text{ m} = 0.85 \text{ m}$

Note: Show all calculation steps with units!

Also refer simulation at <https://www.geogebra.org/m/pCTXpz7S>

4

