QUEBEC PHYSICS, SECONDARY V · UNIT D · 5 QUESTIONS

Geometric Optics — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **An object is 12 centimetres from a mirror of focal length 6 centimetres. Its image distance, in centimetres, is**

ANSWER _____

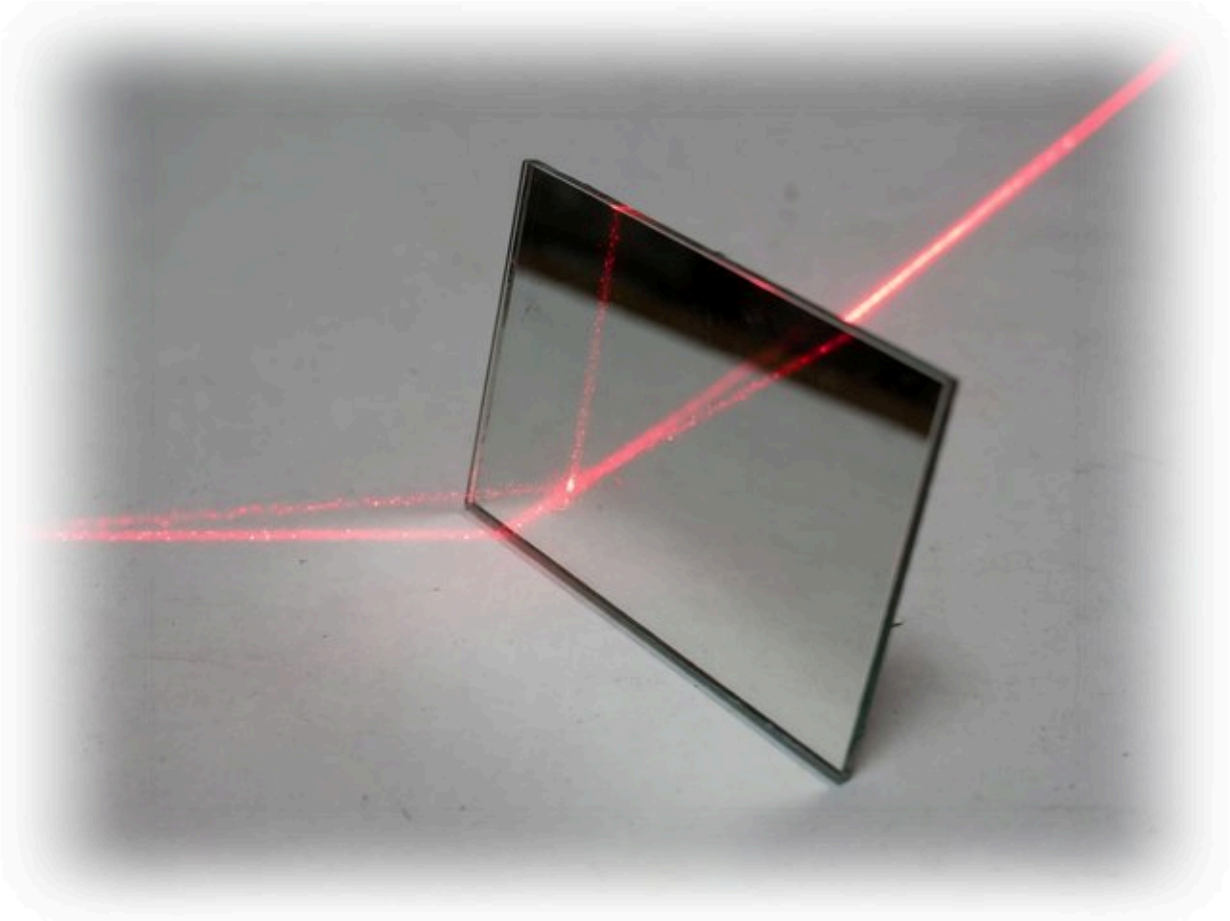
Understand It with Pulse | Flag a mistake

2 **A light ray passes from air into glass. The sine of the angle of incidence is 0.5 and the sine of the angle of refraction is 0.25. The index of refraction of the glass is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Thin red laser beam striking a small rectangular plane mirror on a plain white surface, reflecting off at an angle, large in frame. A light ray strikes a plane mirror at an angle of incidence of 20 degrees. Its angle of reflection, in degrees, is**



ANSWER

Understand It with Pulse | Flag a mistake

4 **Dispersion is the separation of white light into colours because index of refraction depends on**

A brightness

B temperature

C mass

D wavelength

Understand It with Pulse | Flag a mistake

5 **An object is 40 centimetres from a mirror of focal length 8 centimetres. Its image distance, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 12
2. 2
3. 20
4. D
5. 10

© 2026 Brett Robbins. All Rights Reserved.