NOVA SCOTIA PHYSICS 11 · UNIT A · 5 QUESTIONS

# Displacement, Velocity and Acceleration — 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

**Red octagonal STOP sign on a metal pole against a pale blue sky, sign large in frame, no people. The sign face carries the word STOP (the real-world object); the image shows the eight-sided shape, not the answer word (octagon). An object speeds up from 0 metres per second to 24 metres per second in 8 seconds. Its acceleration, in metres per second squared, is**




ANSWER

Understand It with Pulse

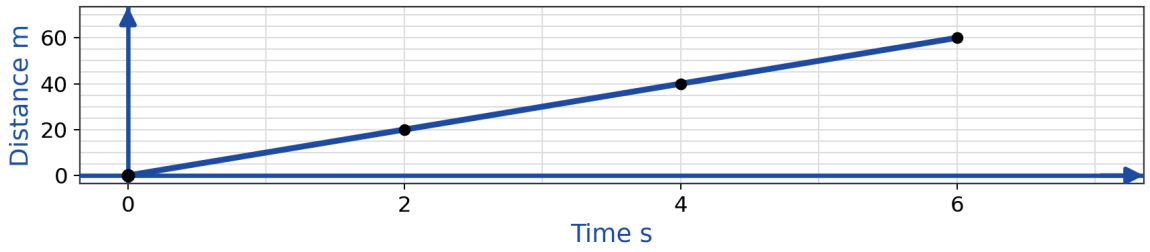
Flag a mistake

**2** **An object travels 360 metres in 12 seconds at constant speed. Its speed, in metres per second, is**

ANSWER

Understand It with Pulse | Flag a mistake

**3** **The graph shows distance rising steadily with time. The motion is at**




A constant acceleration

B rest

C decreasing speed

D constant speed

Understand It with Pulse | Flag a mistake

4 **An object speeds up from 20 metres per second to 40 metres per second in 5 seconds. Its acceleration, in metres per second squared, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An object travels 300 metres in 6 seconds at constant speed. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

# ANSWER KEY

1. 3
2. 30
3. D
4. 4
5. 50

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