NEWFOUNDLAND AND LABRADOR PHYSICS 2204 · UNIT A · 5 QUESTIONS

Kinematics — 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

Think about the idea. Velocity differs from speed because velocity includes

A direction

B mass

C time only

D acceleration only

Understand It with Pulse

Flag a mistake

2

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 dropped from rest falls for 3 s . Using g = 9.8 m per second squared , its speed , in metres per second , is



ANSWER

Understand It with Pulse

Flag a mistake

3 **Apply the idea. On a displacement time graph, the slope gives**

A acceleration

B distance only

C velocity

D time

Understand It with Pulse | Flag a mistake

4 **An object moves at a constant 15 m per second for 3 s. The area under its velocity time graph, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Review the idea. An object moves 3 m east and then 4 m north. Its resultant displacement, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. 29.4
3. C
4. 45
5. 5

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