NEWFOUNDLAND AND LABRADOR PHYSICS 3204 · UNIT A · 5 QUESTIONS

Application of Vectors — 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

A winding walking path runs beside a straight paved road through a park. Distance travelled differs from displacement because distance is a scalar that measures the total



A path length

B straight line only

C direction

D time

Understand It with Pulse

Flag a mistake

2 **Average velocity is displacement divided by**

A mass

B time

C distance

D acceleration

Understand It with Pulse | Flag a mistake

3 **Average speed is total distance divided by**

A displacement

B mass

C time

D force

Understand It with Pulse | Flag a mistake

4 **A unit vector has a magnitude of**

- A 0
- B 10
- C 100
- D 1

Understand It with Pulse | Flag a mistake

5 **The horizontal component of a vector at 0 degrees to the horizontal equals the full**

- A magnitude
- B vertical component
- C resultant only
- D scalar value

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. C
4. D
5. A

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