Kinematics - Practice Test | New Brunswick Physics 111-112

Practice Test

Unit A: Kinematics

10 Questions

Original practice test based on the New Brunswick curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

An object travels 420 metres in 7 seconds at constant speed. Its speed, in metres per second, is

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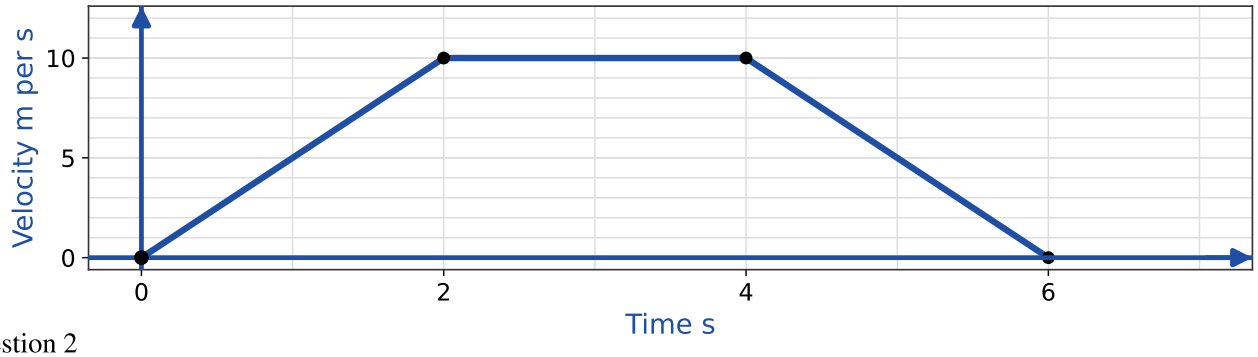

Question 2

The graph shows velocity against time. The displacement from 0 seconds to 6 seconds, in metres, is

A) 40

B) 60

C) 30

D) 20

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Question 3

Use $g = 9.8$ metres *per* second squared . *An* object dropped from rest falls *for* 3 seconds . *Its* speed then , *in* metres *per* second , *is*

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Question 4

Use $g = 9.8$ metres *per* second squared . *An* object dropped from rest falls *for* 2 seconds . *The* distance fallen , *in* metres , *is*

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Question 5

Speed is a scalar quantity while velocity is a

A) vector quantity

B) scalar quantity

C) constant quantity

D) zero quantity

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Question 6

An object travels 600 metres in 12 seconds at constant speed. Its speed, in metres per second, is

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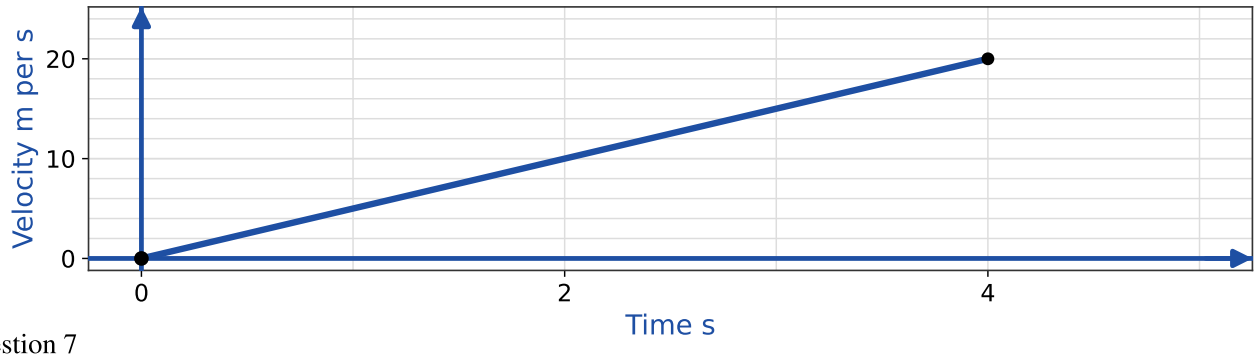

Question 7

The graph shows velocity against time. The displacement from 0 seconds to 4 seconds, in metres, is

A) 80

B) 40

C) 20

D) 10

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Question 8

Use $g = 9.8$ metres *per* second squared . *An* object dropped from rest falls *for* 4 seconds . *Its* speed then ,

in metres *per* second , *is*

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Question 9

Use $g = 9.8$ metres *per* second squared . *An* object dropped from rest falls *for* 5 seconds . *The* distance fallen , *in* metres , *is*

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Question 10

An object travels 90 metres in 3 seconds at constant speed. Its speed, in metres per second, is

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ANSWER KEY

1. 60
2. A
3. 29.4
4. 19.6
5. A
6. 50
7. B
8. 39.2
9. 122.5
10. 30

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