ALBERTA PHYSICS 20 · UNIT A · 5 QUESTIONS

Kinematics — Practice Test

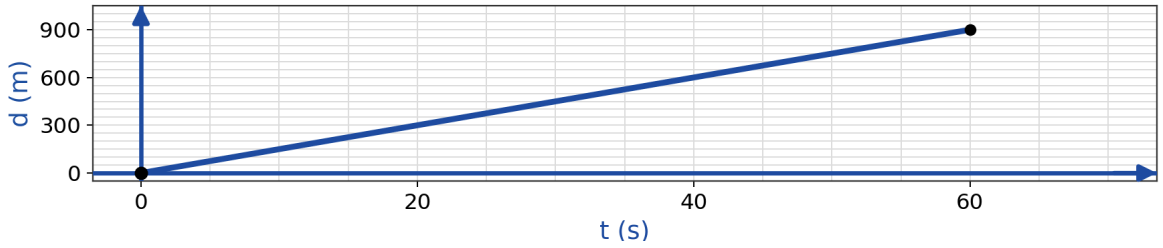
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Which of the following quantities is a scalar?**

- A Temperature
- B Velocity
- C Displacement
- D Acceleration

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2 **The position-time graph shows a cyclist moving at a constant speed. The speed of the cyclist is**



- **A** 0.067 m/s
- **B** 54 m/s
- **C** 15 m/s
- **D** 54000 m/s

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3 **A bus travels 280 m [E] in 16 s at a constant velocity. The magnitude of its velocity, in metres per second, is**

ANSWER _____

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4 **A yellow car drives away down a straight road. On a velocity-time graph of an object moving in a straight line, the slope of the graph represents the objects**



A Distance

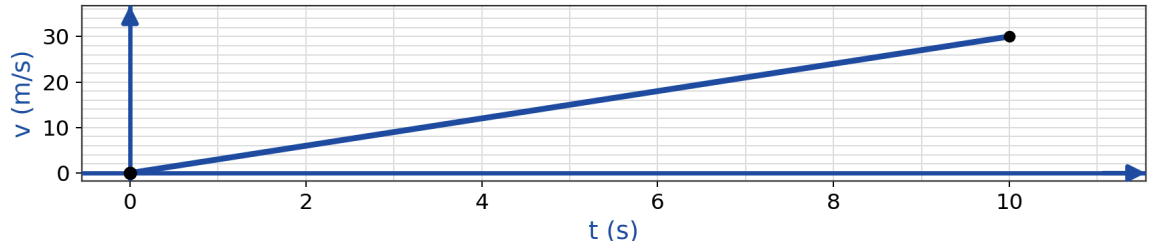
B Displacement

C Velocity

D Acceleration

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5 **The velocity-time graph shows a car accelerating uniformly from rest. The acceleration of the car is**



A 0.33 m/s²

B 3.0 m/s²

C 30 m/s²

D 300 m/s²

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ANSWER KEY

1. A
2. C
3. 17.5
4. D
5. B

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