Rosary School – Marj Elhamam		
Physics Quiz		
No. of Pages: (2)	No. of Questions: (2)	Mark: (_____/ 13)
Name: _____		Date: / 9 / 2025
Grade: 9 ( )		Duration: 15 min.

Form 3

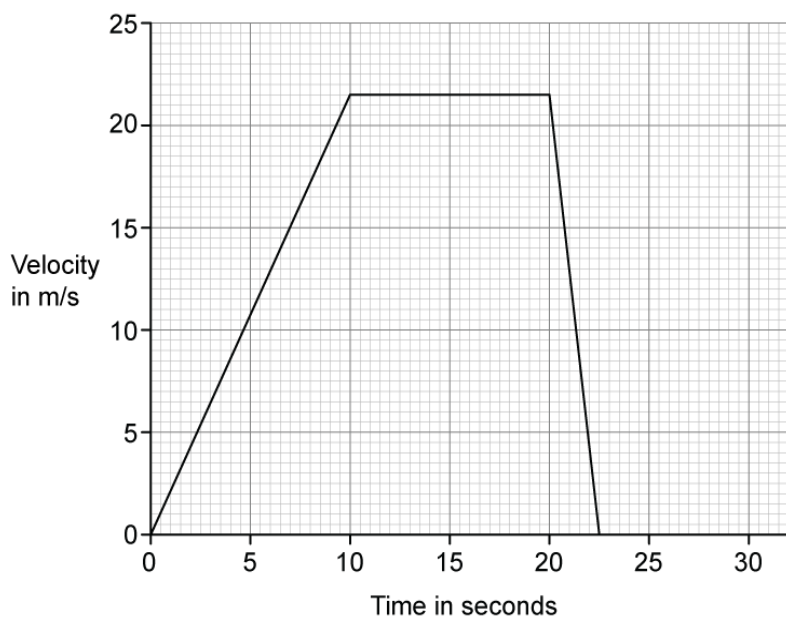**Question 1:**   **(/   10)**

The velocity-time graph shows how the velocity of a motorcycle changes with time.

a. With reference to the graph, state and explain which part of the graph shows that the motorcycle has constant deceleration.   [4]

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_____

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b. State the formula linking acceleration, change in velocity and time taken. [1]

c. Calculate the acceleration of the motorcycle between 0 and 10 seconds. [2]

acceleration = ... m/s^2

d. Calculate the distance travelled between 10 and 20 seconds. [3]

Distance = ………………………………………………………… m

Question 2: **(/ 3)**

A person who is initially stationary walking at a speed of 1.5m/s after acceleration of 0.5m/s^2. Calculate the distance it takes them to reach this speed.

Teacher: Zeina Abu Manneh