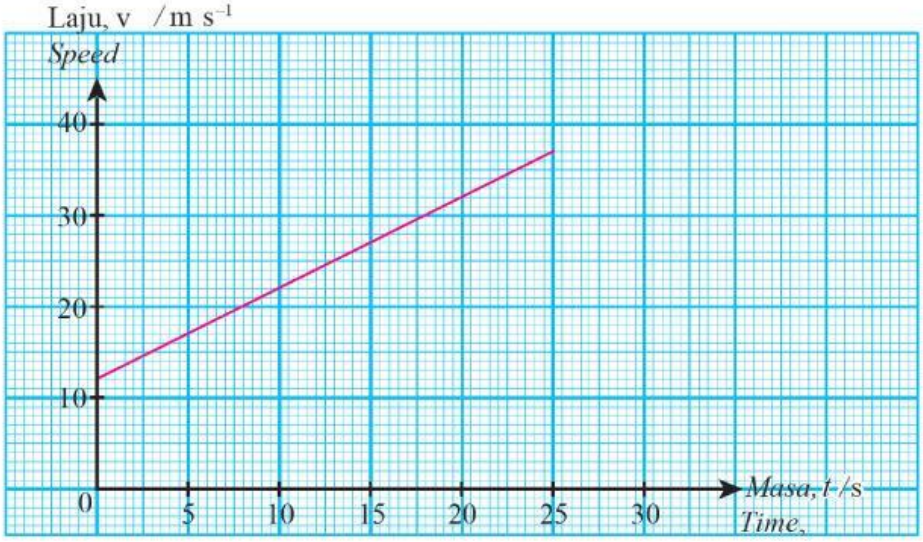
1. Rajah 1 ialah graf yang diperoleh apabila laju sebuah kereta diuji. Graf laju, *v* diplotkan melawan masa, *t*.
Diagram 1 shows a graph obtained when the speed of a car is tested. A graph of speed, v, against time, t, is plotted.



Rajah 1
Diagram 1

(a) Nyatakan jenis kuantiti bagi laju, v.
State the type of quantity for speed, v.

.....

[1 markah]
[1 *mark*]

(b) Berdasarkan Rajah 1,
Based on Diagram 1,

(i) nyatakan hubungan di antara laju, *v* dan masa, *t*.
State the relationship between speed, v and time, t.

.....

[1 markah]
[1 *mark*]

(ii) Tentukan nilai v apabila *t* = 20 saat. Tunjukkan bagaimana nilai v ditentukan pada graf dalam Rajah 1.
Determine the value of v when t = 20 seconds. Show how the value of v is determined on the graph in Diagram 1.

v = ... m s^{-1}

[2 markah]
[2 *marks*]

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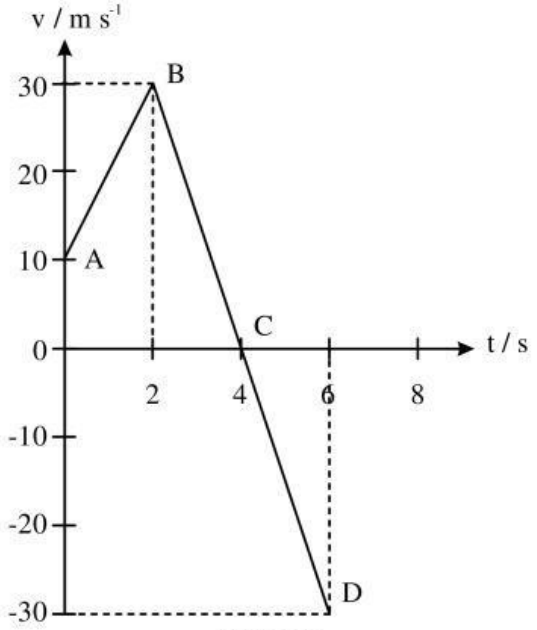
2.



Rajah 2
Diagram 2

Rajah 2 menunjukkan halaju-masa graf
Diagram 2 shows a velocity-time graph

(a) Terangkan pergerakan objek tersebut pada
Explain the movement of object at

(i) AB

.....

(ii) BD

.....

[2 markah]
[2 *marks*]

(b) Nyatakan kuantiti fizik yang diwakili oleh kecerunan graf
Name the physical quantity represented by the gradient of the graph.

.....

[1 markah]
[1 *mark*]

(c) Nyatakan kuantiti fizik yang diwakili oleh luas di bawah graf
Name the physical quantity represented by the area below the graph.

.....

[1 markah]
[1 *mark*]

LIVEWORKSHEETS