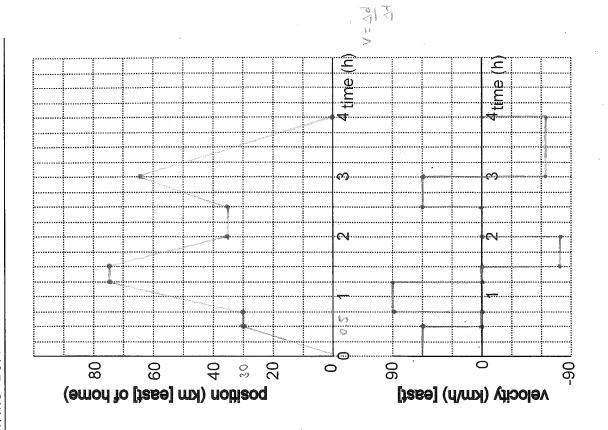
A to H. Assume that each segment is covered at uniform velocity and that the road lies along a A delivery truck took the following route that has been divided into individual lettered segments straight portion of an east-west highway.

- (A) East for 1/2 hour at 60 km/h.
 (B) Stopped for 15 minutes making a delivery.
 (C) East for another 30 minutes at 90 km/h.
 (D) Stopped for 15 minutes making a delivery.
- (E) West for 40 km at 80 km/h. (F) Stopped for a 1/2 hour coffee break.
 - (G) East for 1/2 hour at 60 km/h. (H) Back directly home in one hour.

1. Use the data to complete the table below. Note: displacement is the change in position for	each segments while position is the delivery truck's position with respect to it's starting	position (home).
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	4		(1	\$ 000 miles
	alsplacement (km [E])	velocity (km/h [E])	nme (hours)	position (km [E] of home)
	30	09	0.50	8
	0	0	57.0	30
	Sh	0	05'0	S home
Δ	0	9		of the same
ш			05:0	8
	0	0	05'0	(N)
9	02	0	05'0	S
I	29.		Q ²	0
L				

- Plot a position-time graph for the entire journey on the d-t graph given.
- 3. Plot a velocity-time graph for the entire trip on the v-t graph given.
- 4. What is the (i) average speed (v_{avg}) and (ii) average velocity (\vec{v}_{avg}) for the entire trip? Vava Cdt = 210km = 52.5km/h 3 2d1=210km



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