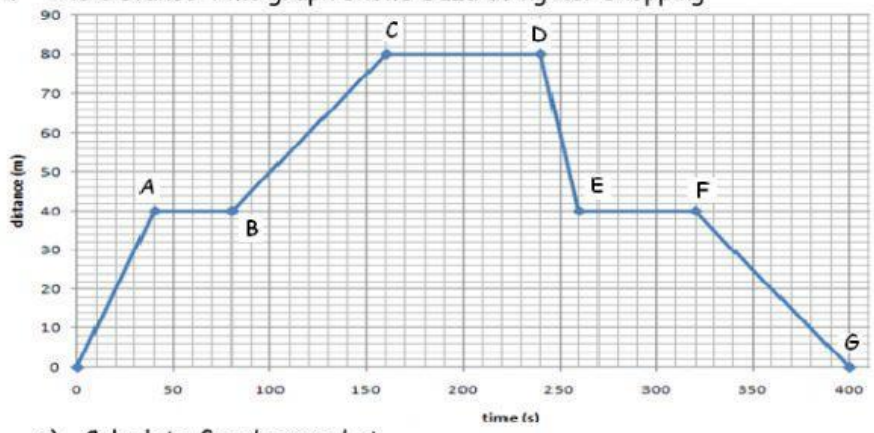
Motion Graphs

1. The distance-time graph shows Guza doing her shopping



a) Describe the first 260seconds of Guza's trip

OA:

AB:

BC:

CD:

DE:

b) In which region was Guza travelling the fastest?

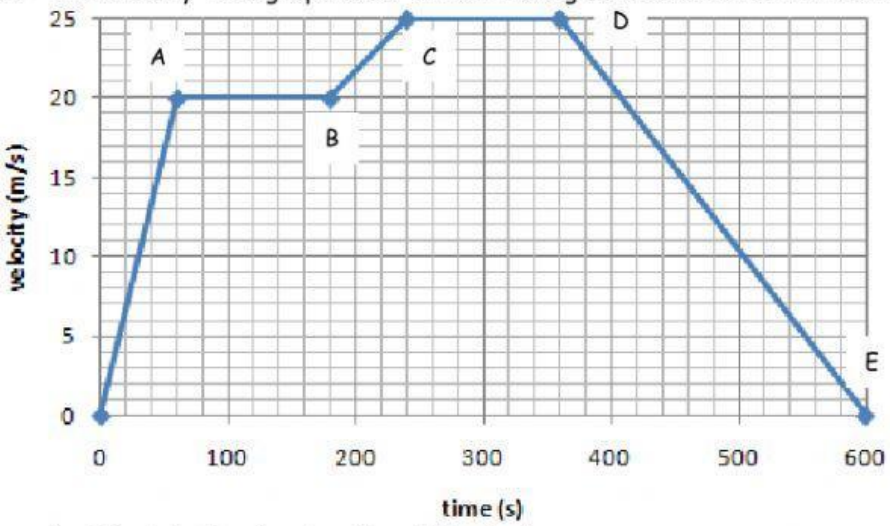
c) Calculate Guza's speed at

i. OA:

ii. BC:

iii. DE:

2. The velocity-time graph is for a train moving from one station to the next.



a) Describe the motion of the train

OA:

AB:

BC:

CD:

DE:

b) Calculate the greatest acceleration

c) Calculate the deceleration of the train

d) Calculate the total distance travelled.

3. Complete the table by stating the significance of features sometimes observed on distance-time and velocity-time graphs:

Feature on graph	Distance – Time	Velocity – Time
Gradient		
Horizontal Line		
Upward Line		
Downward Line		
Area under the Graph	*NOT APPLICABLE*	

LIVEWORKSHEETS