



Aberdare Community School  
Mathematics Department

WJEC GCSE  
**Foundation – Non Calculator**  
Algebra

# Travel graphs

Name: .....

Set: .....

Date: .....

Teacher: .....

11. Helen cycles home from a village that is 30 miles from her home. The travel graph below represents her journey.

(a) How far did Helen cycle in the first hour?

..... [1]

(b) For how many minutes did Helen stop on her journey?

..... [1]

(c) Without calculating any speeds, explain how you can decide whether Helen was cycling faster before stopping or after she had stopped.

..... [1]  
.....

(d) At what time did she arrive home?

..... [1]

Distance (in miles)  
from Helen's home



12. The travel graph below represents Clive's car journey.

(a) How far from Aber was Clive when he started out?

..... [1]

(b) How far did he travel in the first hour?

..... [1]

(c) For how many minutes did he stop on his journey?

..... [1]

(d) At what time did he arrive in Aber?

..... [1]

Distance (in miles)  
from Aber



10. Chris goes for a drive in his car. He stops twice during his journey. The graph shows his journey.

(a) How far did Chris travel between 09:00 and 10:00?

..... [1]

(b) For how many minutes altogether did Chris stop on his journey?

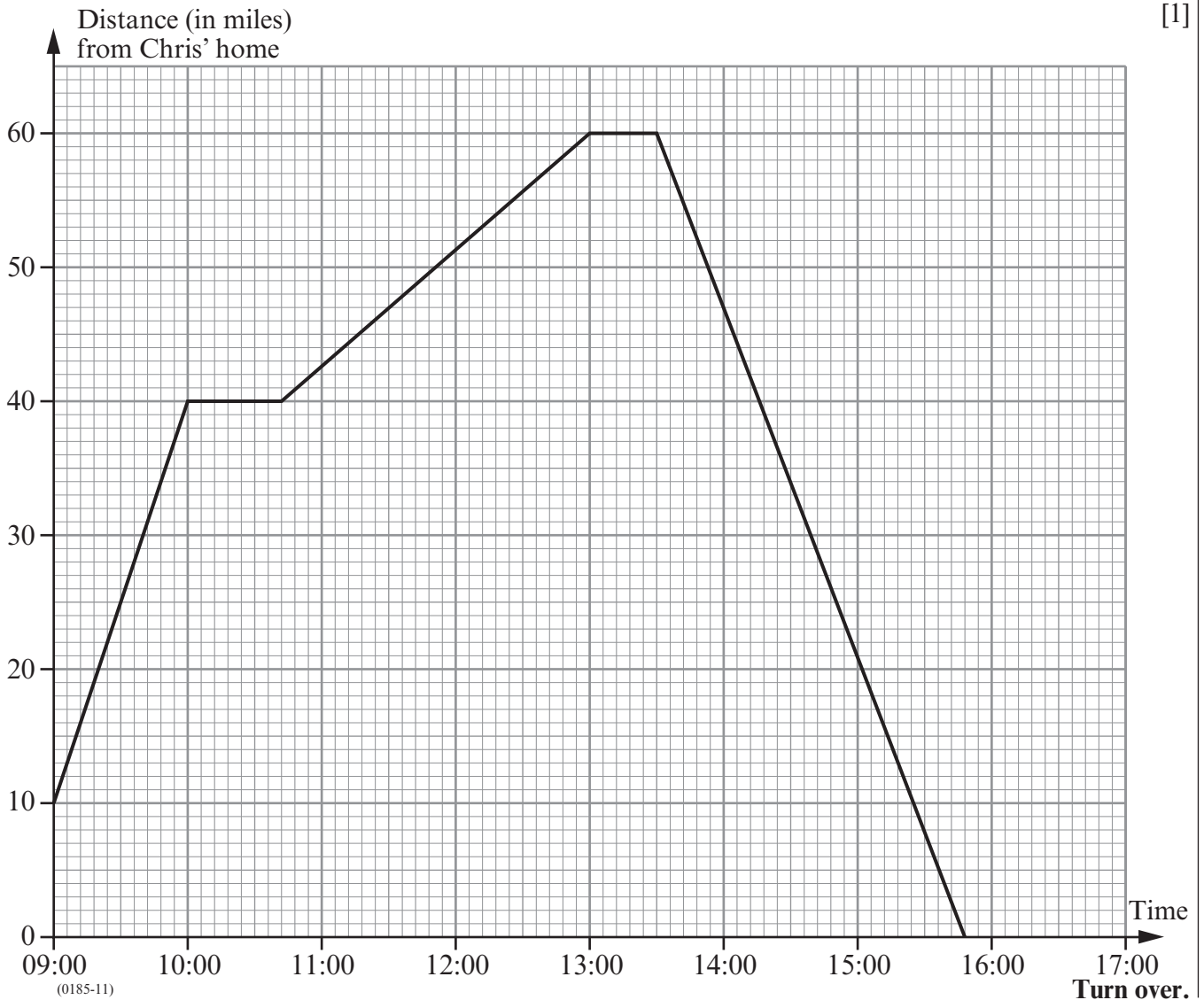
..... [1]

(c) Without calculating any speeds, explain how you can decide whether Chris was driving faster before or after stopping for the first time?

..... [1]

(d) At what time did he arrive home?

..... [1]



16. Sophie is going on holiday.

(a) Sophie travels a distance of 35 miles in 2 hours 30 minutes through busy traffic.

Calculate Sophie's average speed, in miles per hour.

[3]

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