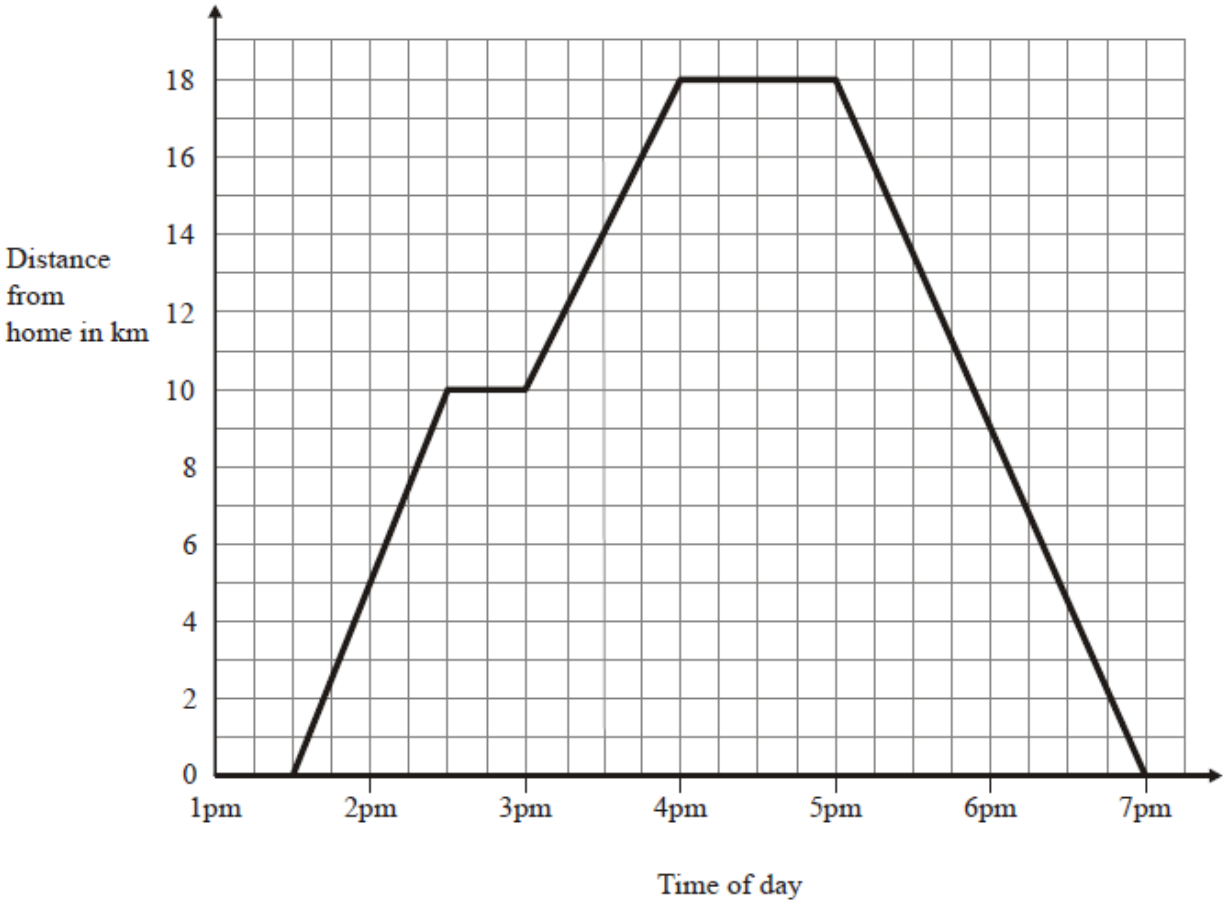
NAME: _____ HW 3.8

DATE: _____ ALGEBRA 1A

1. Pete visited his friend and then returned home. The graph below shows information about his journey.



a. What time did Pete start his journey?

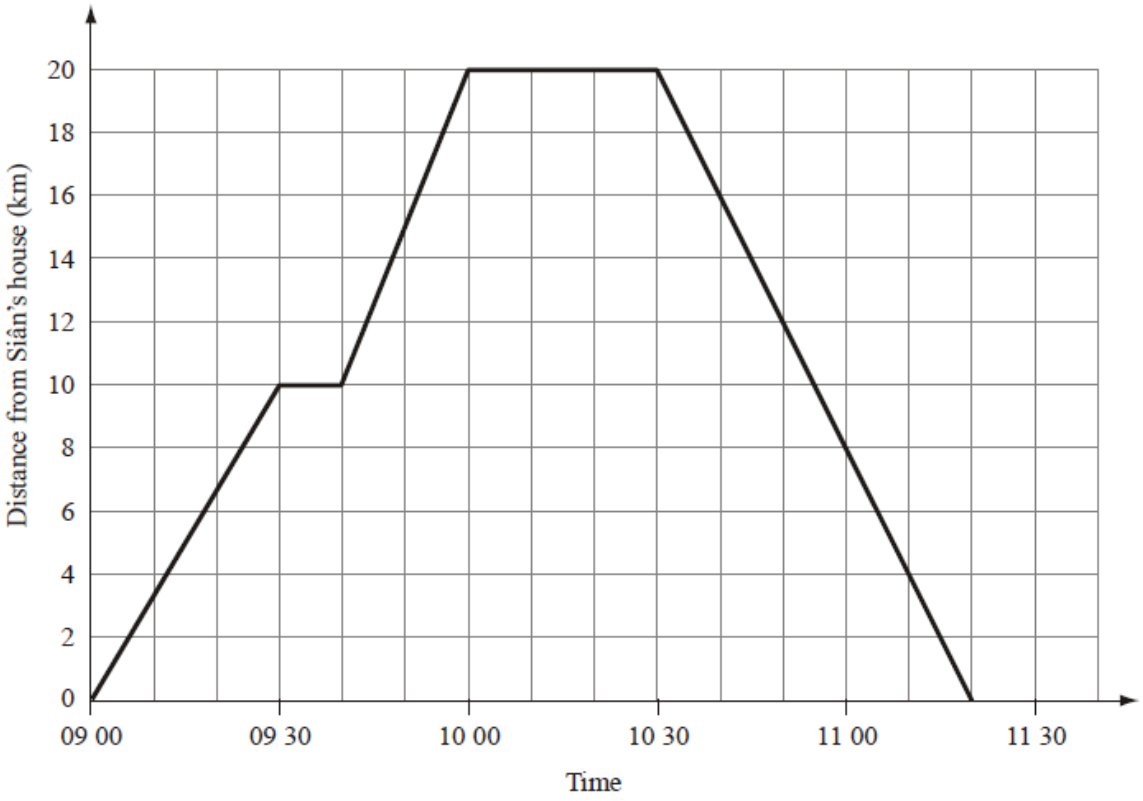
b. At 2:30, Pete stopped for a rest. How long was this rest?

c. How far was he from home when he stopped to rest?

d. How long was Pete visiting his friend?

e. What was the total distance that Pete traveled?

2. Below is a travel graph for Sian's journey from her house to the library and back to her house.



a. How far is Sian from her house at 9:30?

b. What does she do from 9:30 to 9:40?

c. At what time did she arrive at the library?

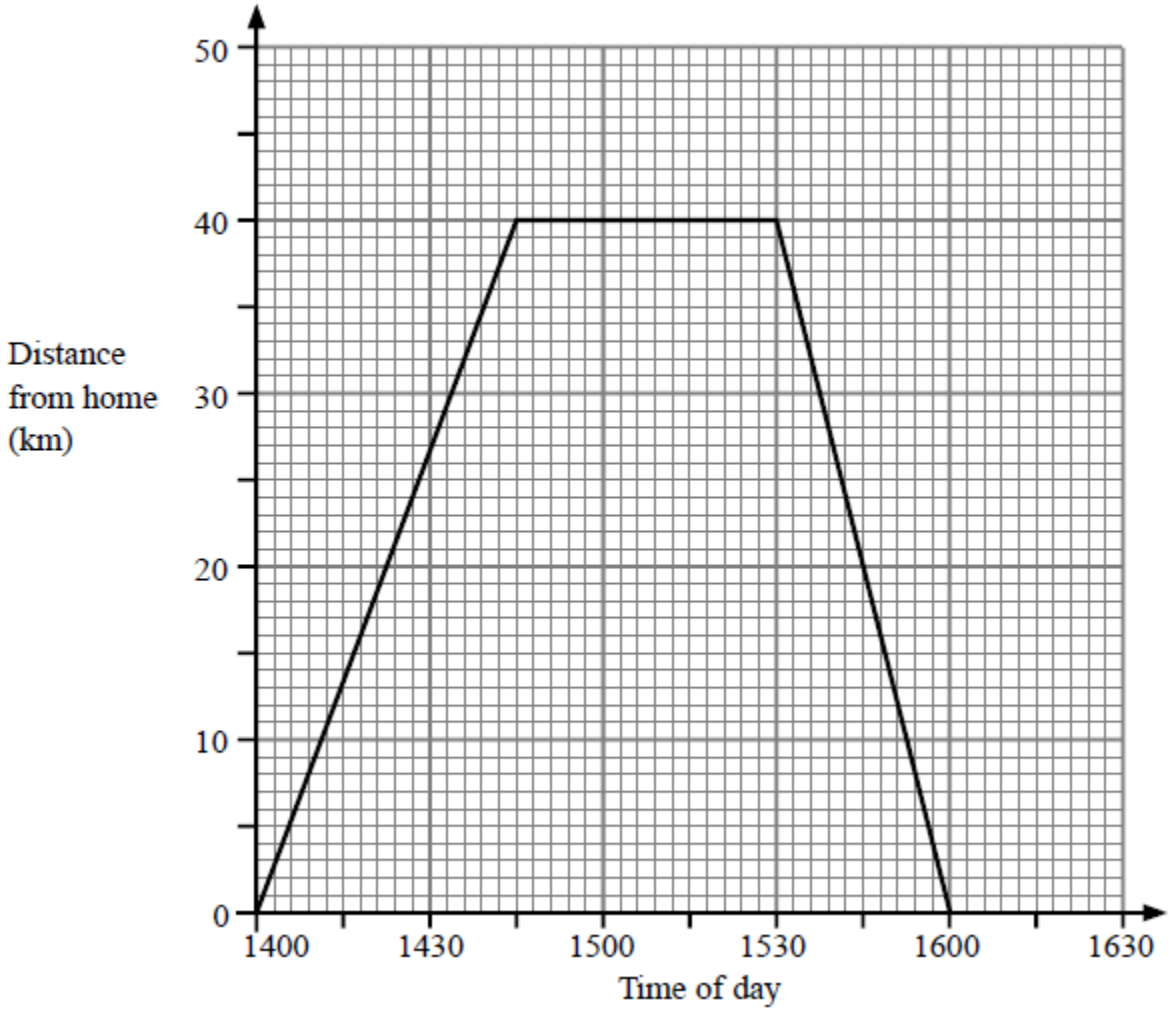
d. How long did she spend at the library?

e. At what time does she leave the library?

f. At what time does she return home?

g. How far is the library from her home?

3. Judy drove from her home to the airport. She waited there a short time, and then returned home. The graph below illustrates her journey.



a. What is the distance from Judy's home to the airport?

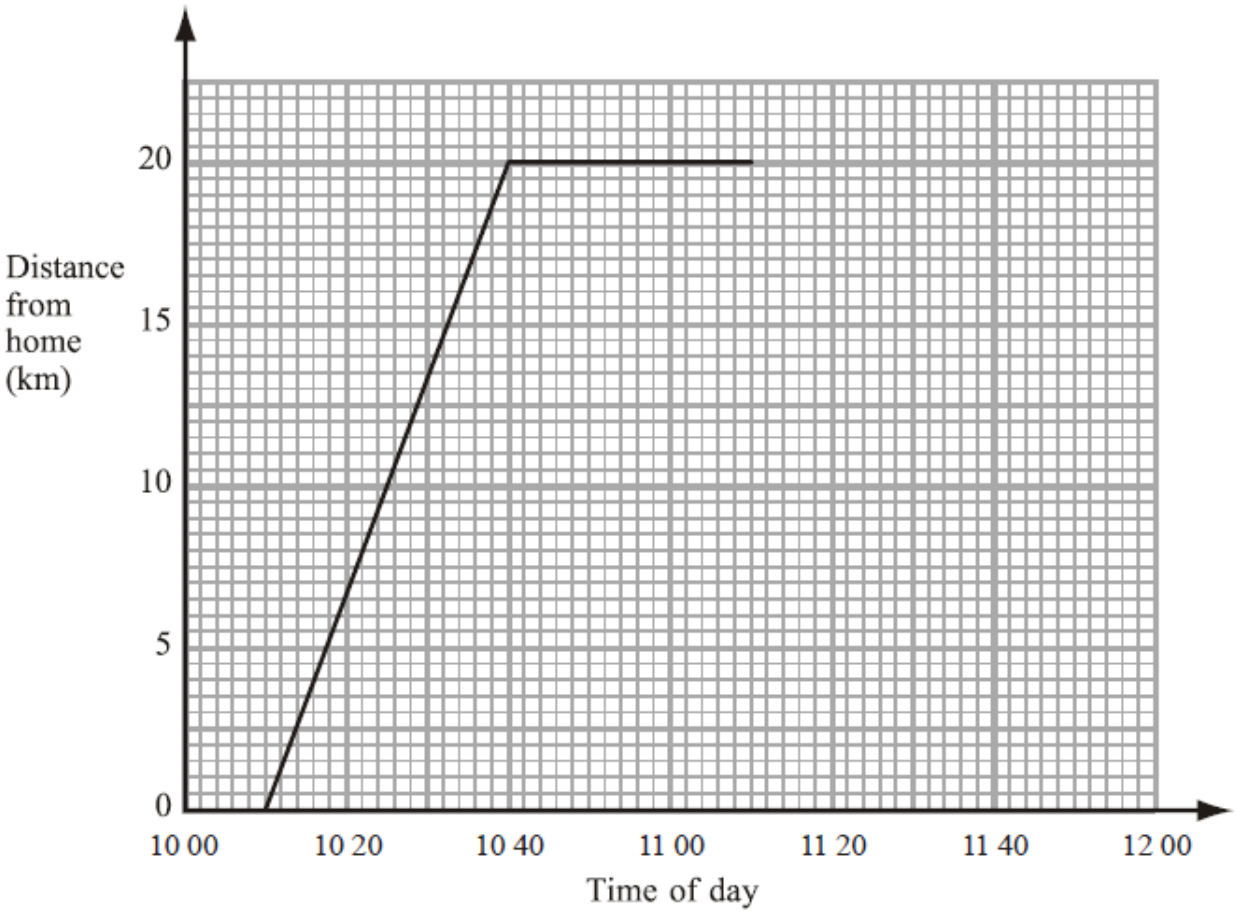
b. What time did Judy arrive at the airport?

c. How long did she spend at the airport?

d. How long did it take Judy to get to the airport?

e. Did it take her the same amount of time to get home? If not, how long did it take?

4. Jamie went to the mall and back. The travel graph below represents part of his journey. By 11:00, he has arrived at the mall and has been shopping.



a. At what time did Jamie leave home?

b. What time did he arrive at the mall?

c. How far is the mall from Jamie's house?

d. How far from home was he at 10:20?

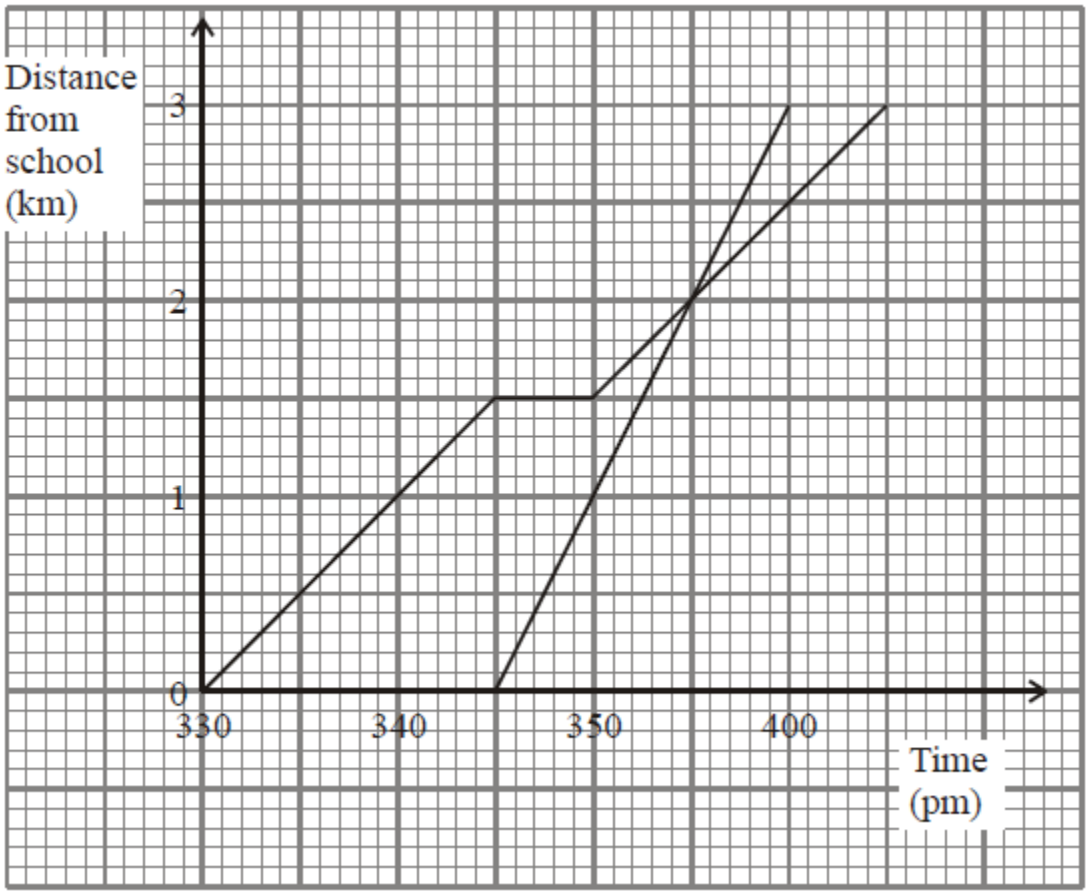
e. How long did he stay at the mall?

f. Jamie left the mall at 11:10 and traveled at a steady pace home. He arrived home at 11:50.
COMPLETE THE TRAVEL GRAPH.

5. Robert left school at 3:30 PM to walk home from school. On the way home, he stopped to talk to a friend.

His sister, Sarah, left the same school at 3:45 PM. She biked home using the same route as Robert.

The graph below illustrates both journeys.



a. Find the distance Robert walked in the first 10 minutes.

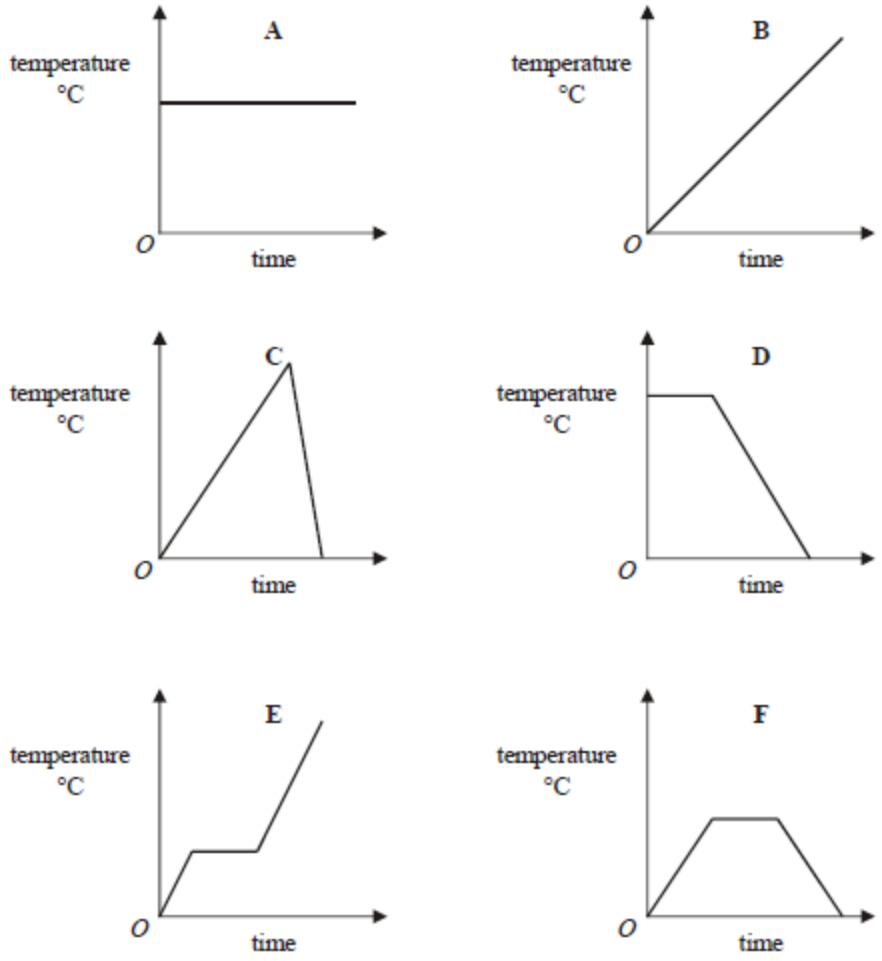
b. How long did Robert walk before he stopped to talk to his friend?

c. How long did Robert talk to his friend?

d. How far had Robert walked when Sarah biked past him?

e. If they live 3 km from the school, how many minutes before Robert did Sarah arrive home?

6. Below are six temperature – time graphs.



Each sentence in the table describes one of the graphs.
Write the letter of the correct graph next to each sentence.
The first one has been done for you.

The temperature starts at 0 degrees Celsius and keeps rising.	**B**
The temperature stays the same for a time and then falls.	
The temperature rises and then falls quickly.	
The temperature is always the same.	
The temperature rises, stays the same for a time and then falls.	
The temperature rises, stays the same for a time and then rises again.	