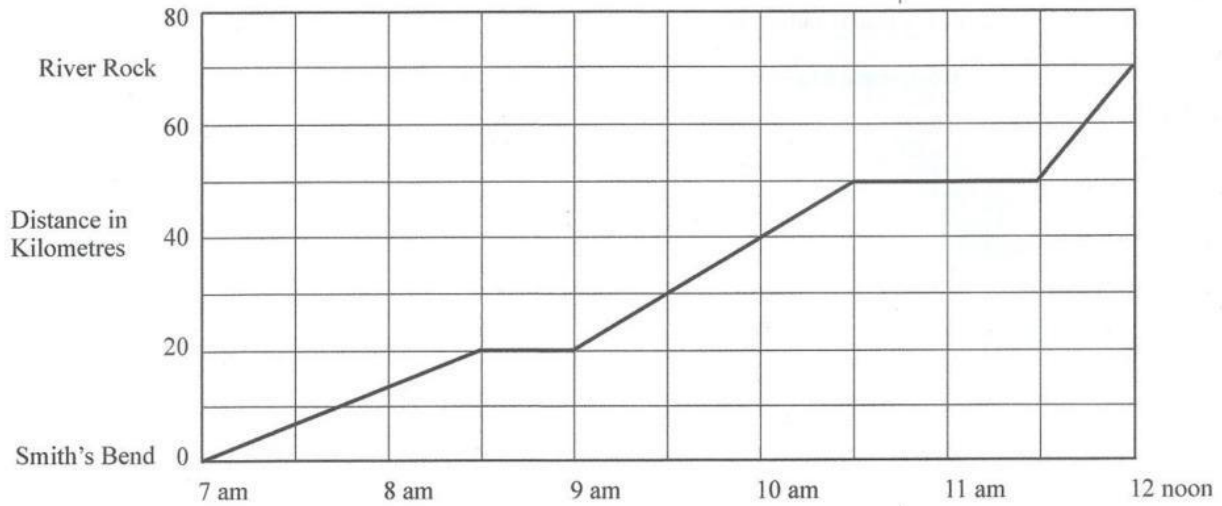


17. The graph below represents a bicycle ride from Smith's Bend to River Rock.



- (a) At what time did the cyclist make his FIRST stop after leaving Smith's Bend?

Answer: _____ [1]

- (b) Calculate the total time the cyclist stopped altogether?

Answer: _____ [1]

- (c) How many kilometres away from River Rock was the cyclist at 10:30 am?

Answer: _____ [1]

- (d) What is the distance between Smith's Bend and River Rock?

Answer: _____ [1]

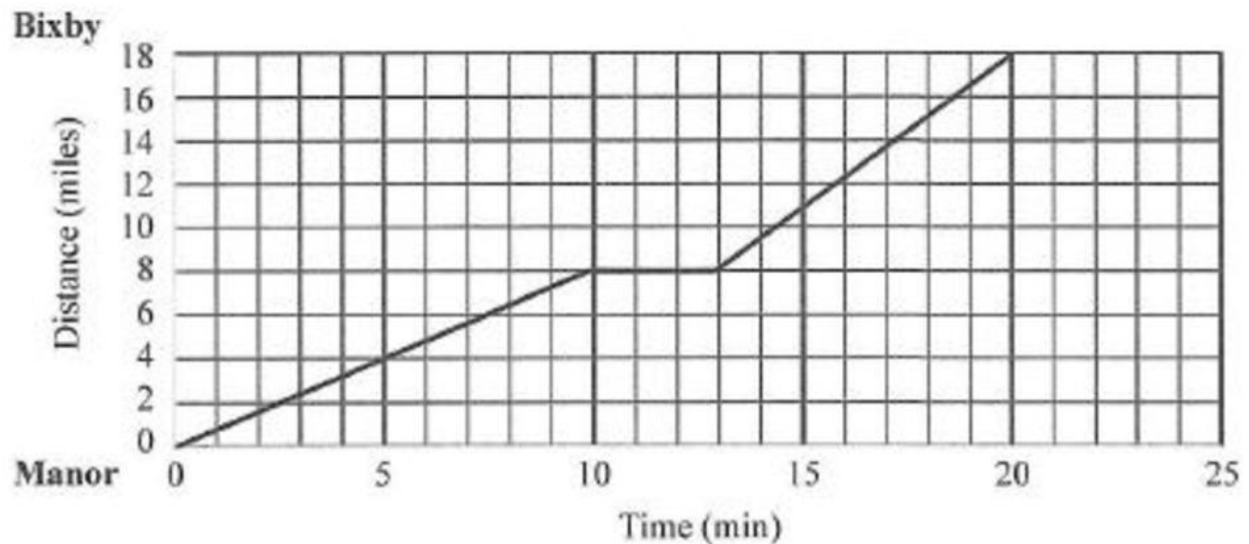
- (e) How long did the journey from Smith's Bend to River Rock take (excluding stops)?

Answer: _____ [2]

- (f) Calculate the average speed of the journey (excluding stops)

Answer: _____ [3]

17. The Graph below show Ted's journey from Manor to Bixby. Study the graph and answer the questions that follow.



- (a) How far is Manor from Bixby?

Answer: _____ [1]

- (b) How long did the car stop?

Answer: _____ [1]

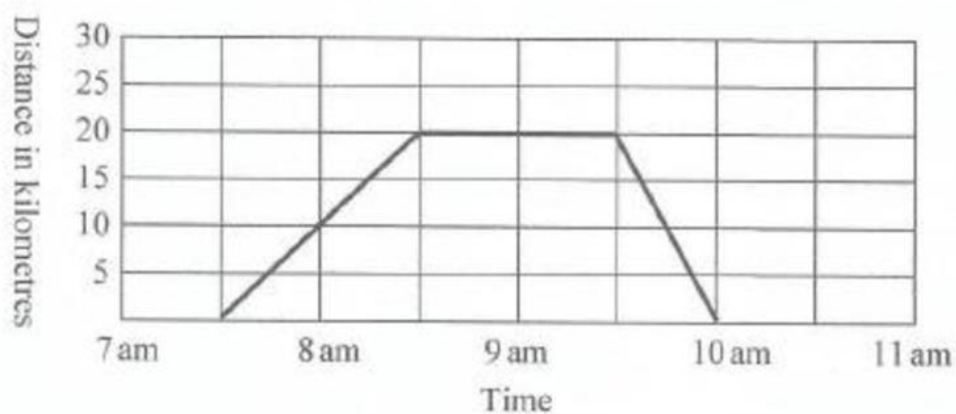
- (c) How long did the journey last?

Answer: _____ [1]

- (d) Calculate the average speed of the entire journey (including stops).

Answer: _____ [3]

17. The Travel graph below shows Eli's Journey from home to the beach and back.



(a) State the

(i) time Eli left home,

Answer: _____ am [1]

(ii) length of time Eli spent at the beach,

Answer: _____ [1]

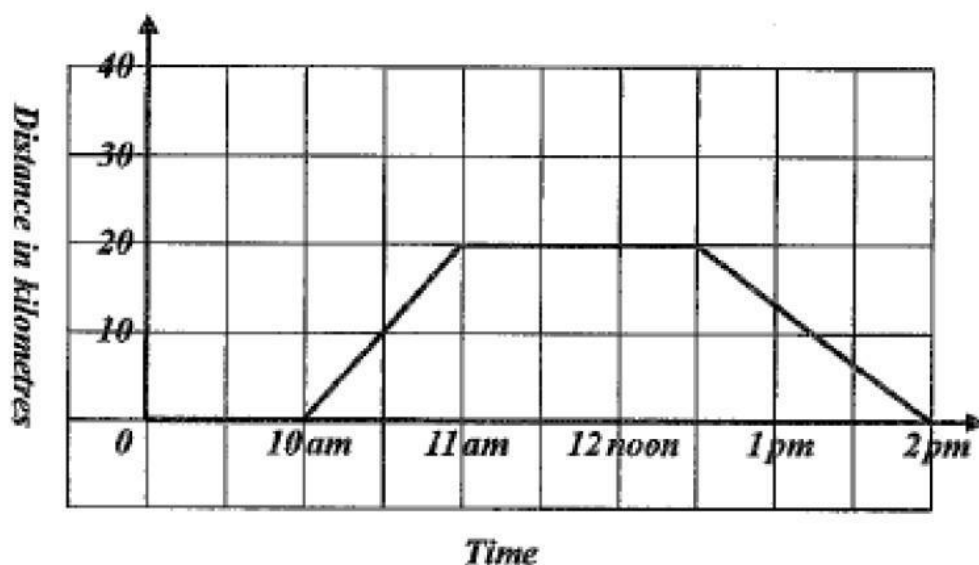
(iii) distance from Eli's home to the beach.

Answer: _____ km [1]

(b) Calculate the average speed of the journey (excluding stops).

Answer: _____ km/h [4]

17. The graph below shows Anna journey from home to the park.



(a) State

(i) the time Anna left home,

Answer: _____ [1]

(ii) how far Anna's home is from the park,

Answer: _____ [1]

(iii) how long Anna stayed at the park.

Answer: _____ [1]

- (b) Calculate her average speed for the journey home.

Answer: _____ [3]

17. (a) Mr. Green bought the following items from the food store. Calculate his total bill.

Item	Cost	Total
5 apples	\$1.09 each	(a)
8 oranges	2 for 99¢	(b)
1 watermelon	\$15.99 each	(c)
TOTAL		(d)

[7]

- (b) Mr. Green gave the cashier two – \$20 bills. Calculate his change.

Answer: _____ [2]

17. (a) Janet bought the following items. Complete the shopping bill below.

Item	Cost
2 wireless mouse @ \$8.99 each	(i) \$ _____ [2]
4 flash drives @ 2 for \$14.00	(ii) \$ _____ [2]
1 hdmi cord @ \$19.99	(iii) \$ _____ [1]
TOTAL	(iv) \$ _____ [1]

- (b) She pays the bill with two 50 dollar notes.

Calculate the amount of change she receives.

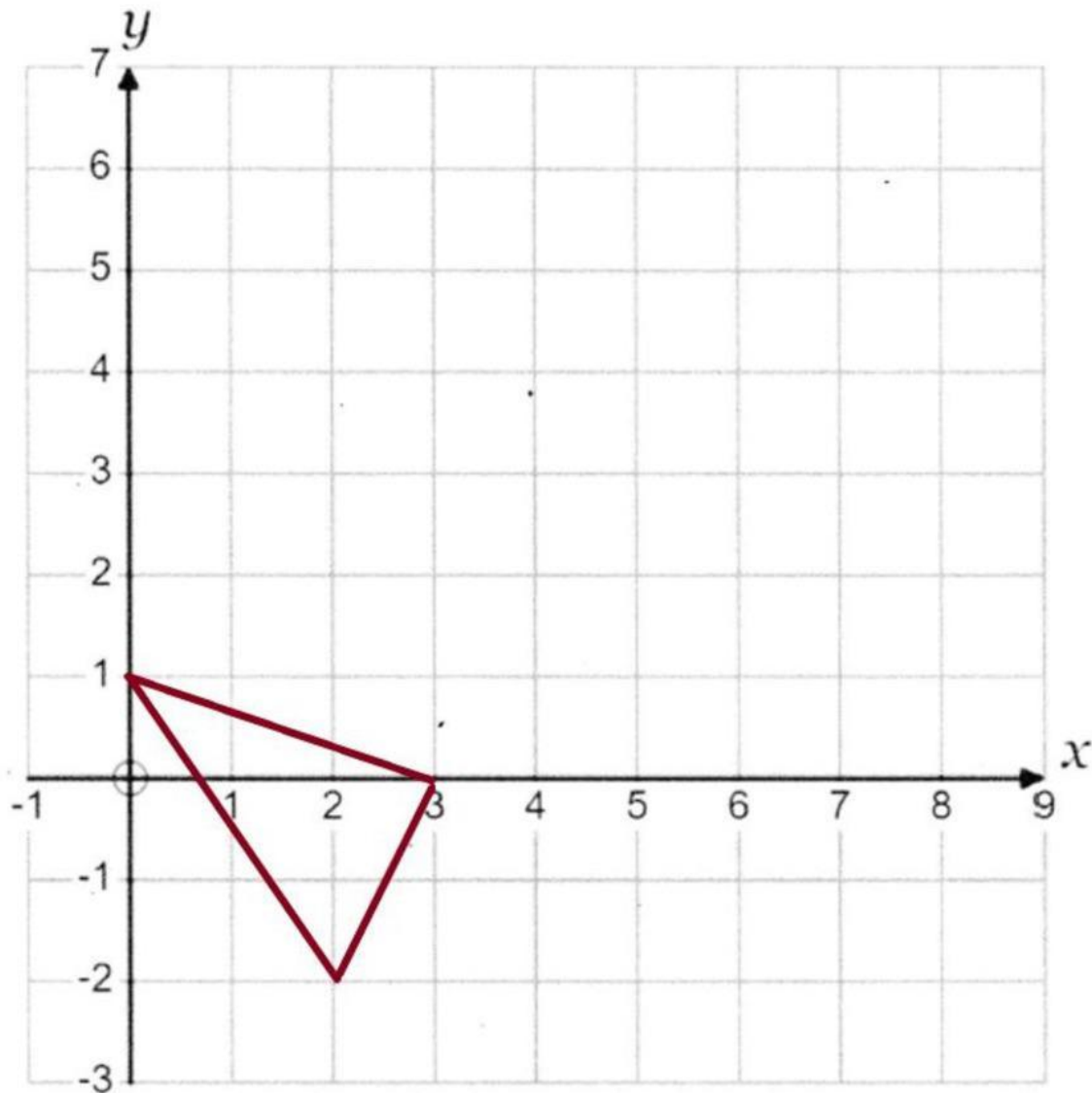
Answer: _____ [3]

17. This entire question must be done on the grid below

(a) Plot, label and join the points

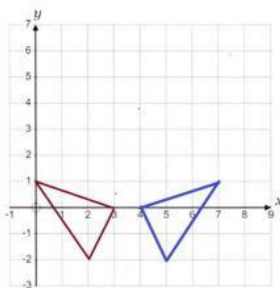
$X(0, 1)$ $Y(3, 0)$ $Z(2, -2)$.

[4]

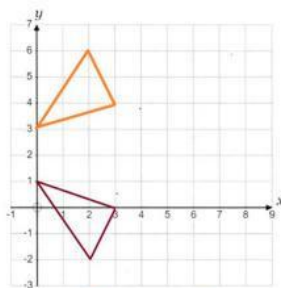


(b) Draw and label the line $Y = 2$. [2]

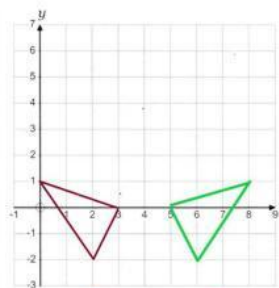
(c) Reflect triangle XYZ along the line $Y = 2$ and label $X_1 Y_1 Z_1$. [3]



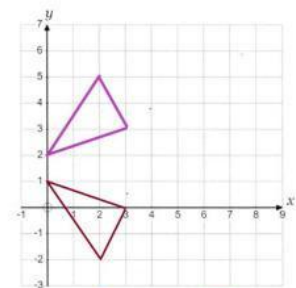
Option A



Option B



Option C



Option D

(d) State the coordinate of Z_1 . [2]