NAME	CLASS	DATE	TOTAL:	/25

General instructions: Read and understand the questions carefully. _Show complete working out._

KPI 5, 8 & 11: _____ / 15

Q1.   Here is a conversion graph to change between Canadian dollars and pounds (£)
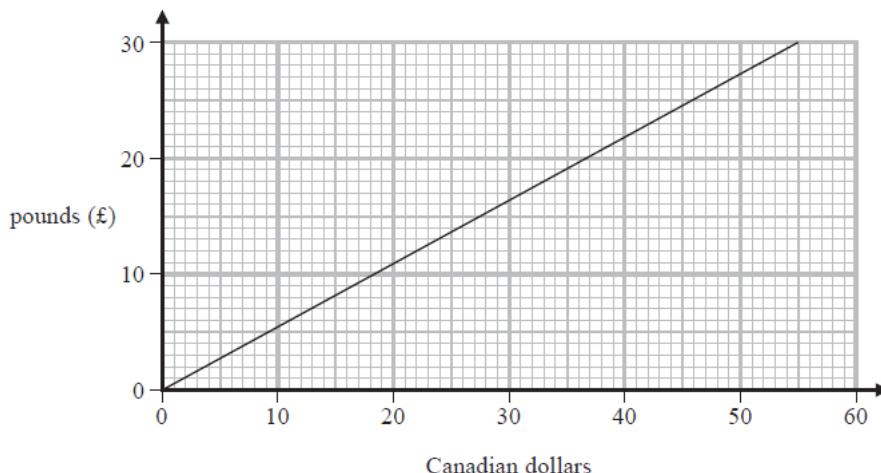
(a)   Use the graph to change

   (i)   20 Canadian dollars to pounds (£)

£ ....

   (ii)   £30 to Canadian dollars.

.... Canadian dollars

(2)

Alana is on holiday in London and is going to Paris.
She is going to book a hotel in Paris.
She knows that

1 pound (£) = 1.2 euros

(b)   Change 285 euros to Canadian dollars.

.... Canadian dollars

(3)

(Total for question = 5 marks)

Q2. Lara left her home at 10:00 to cycle to a park.
On her way to the park, she stopped at a friend's house and then continued her journey to the park.
Here is the distance-time graph for her journey to the park.
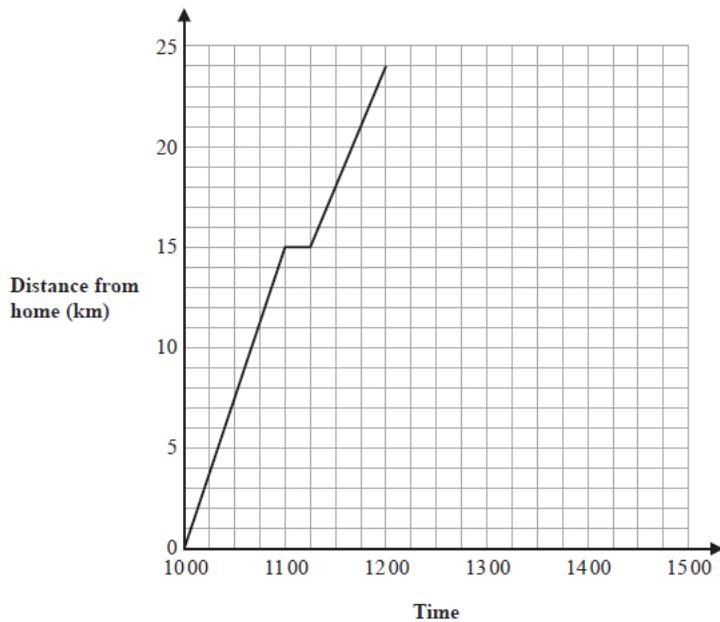
(a) On her journey to the park, did Jalina cycle at a faster speed before or after she stopped at her friend's house?

Give a reason for your answer.

....

....

(1)

Lara stayed at the park for 30 minutes.
She then cycled, without stopping, at a constant speed of 10 km/h from the park back to her home.

(b) Show all this information on the distance-time graph.

(2)

(c) Work out Lara's average cycling speed, in kilometres per hour, for the complete journey to the park and back.

Do **not** include the times when she was not cycling in your calculation.
Give your answer correct to 1 decimal place.

.... km/h

(3)

(Total for question = 6 marks)

2

Q3. On the grid, draw the graph of $y = x - 2$ from $x = -2$ to $x = 2$.

x	-2	-1	0	1	2
y					
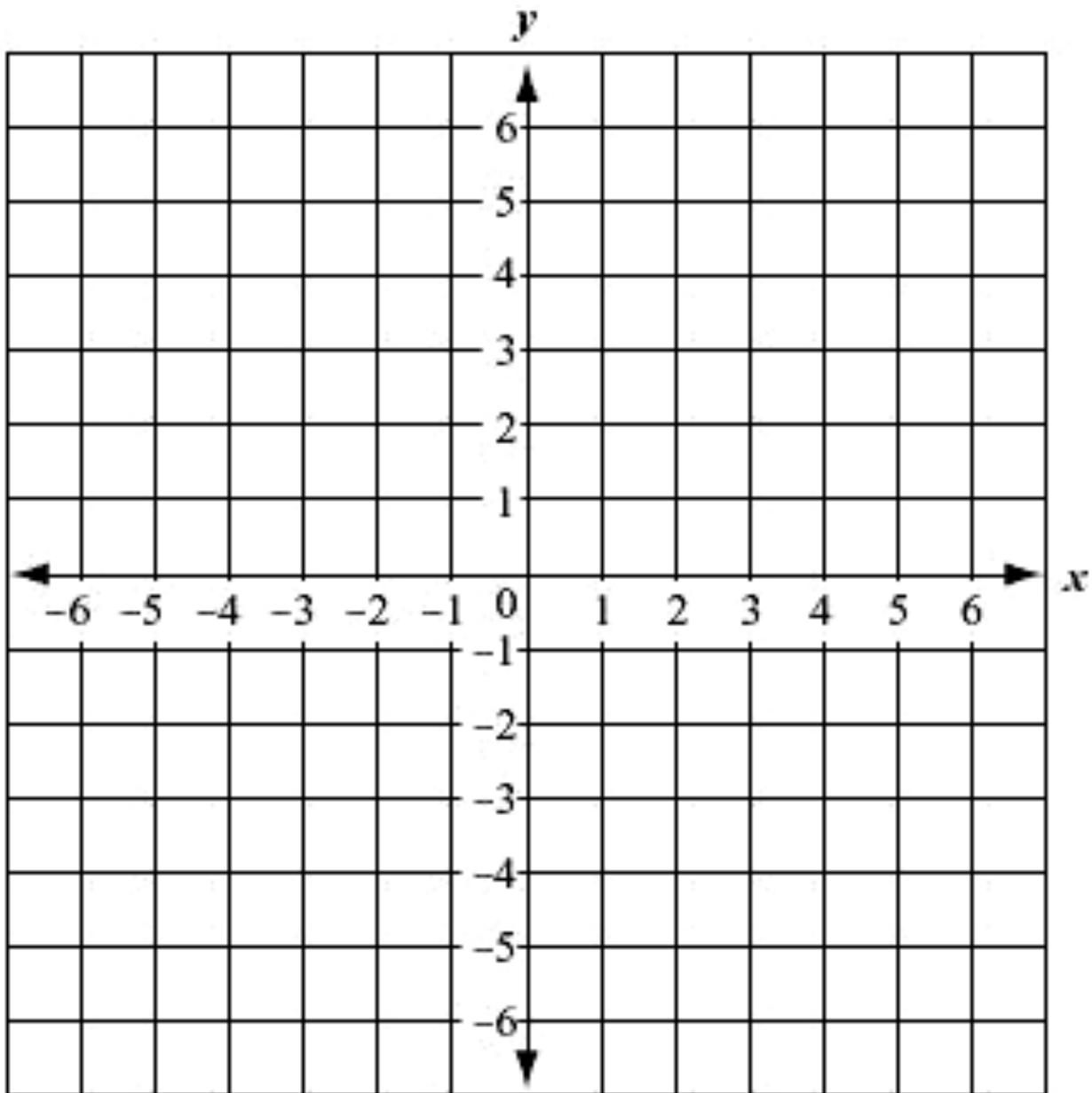
(Total for question = 4 marks)

KPI 6: _____ / 10

Q4. The diagram shows a trapezium.

10 cm

Diagram **NOT**
accurately drawn

4 cm

16 cm
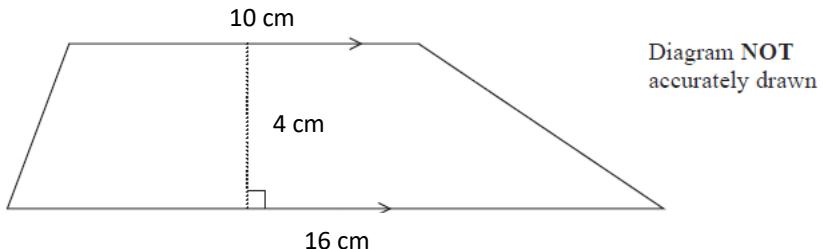
Work out the area of the trapezium.

.... cm^2

(Total for question = 2 marks)

Q5. Here is a rectangle made from 12 square tiles.
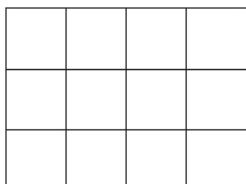
Diagram **NOT**
accurately drawn

The perimeter of each tile is 24 cm.

Work out the area of the rectangle.

.... cm^2

(Total for question = 3 marks)

4

Q6. Shown below is a cube with side length, 2cm.

2cm
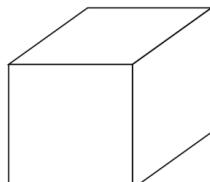
a. How many faces has this cube?

....

(1)

b. How many edges has this cube?

....

(1)

c. Draw a net for the cube on the centimetre square grid below.

(3)

(Total for question = 5 marks)

_____ END _____