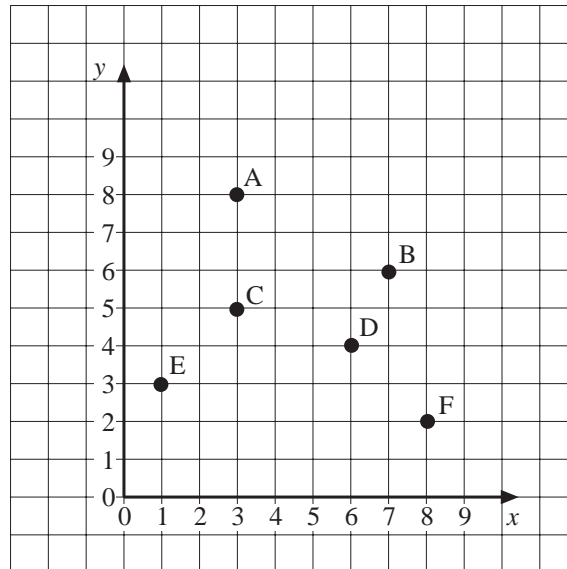


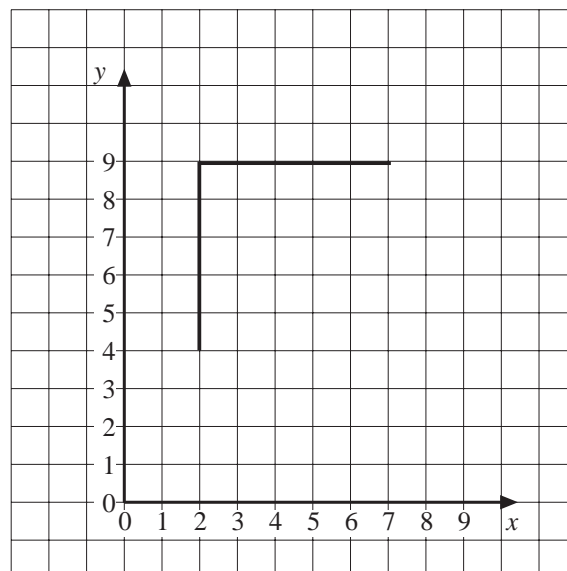
UNIT 3 *Graphs***Revision Test 3.1** (Standard)

1. Write down the coordinates of each point shown on the grid below.



(6 marks)

2. The diagram shows 2 sides of a square.

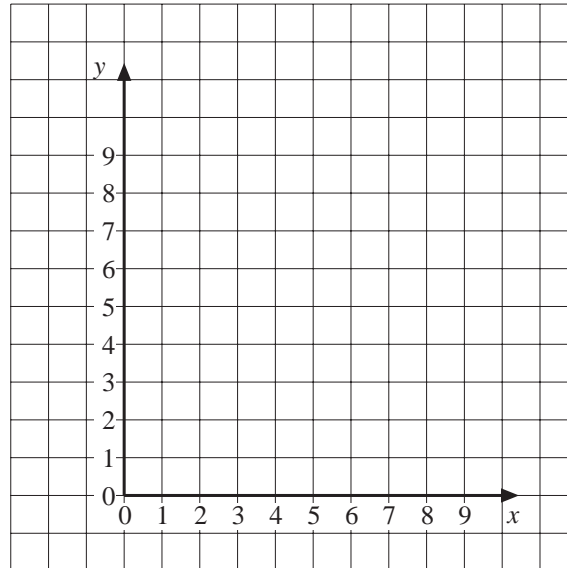


- (a) Copy the diagram and complete the drawing of the square.
(b) Write down the coordinates of the four corners of the square.

(8 marks)

Revision Test 3.1 (Standard)

3. (a) Draw a grid like the one below.

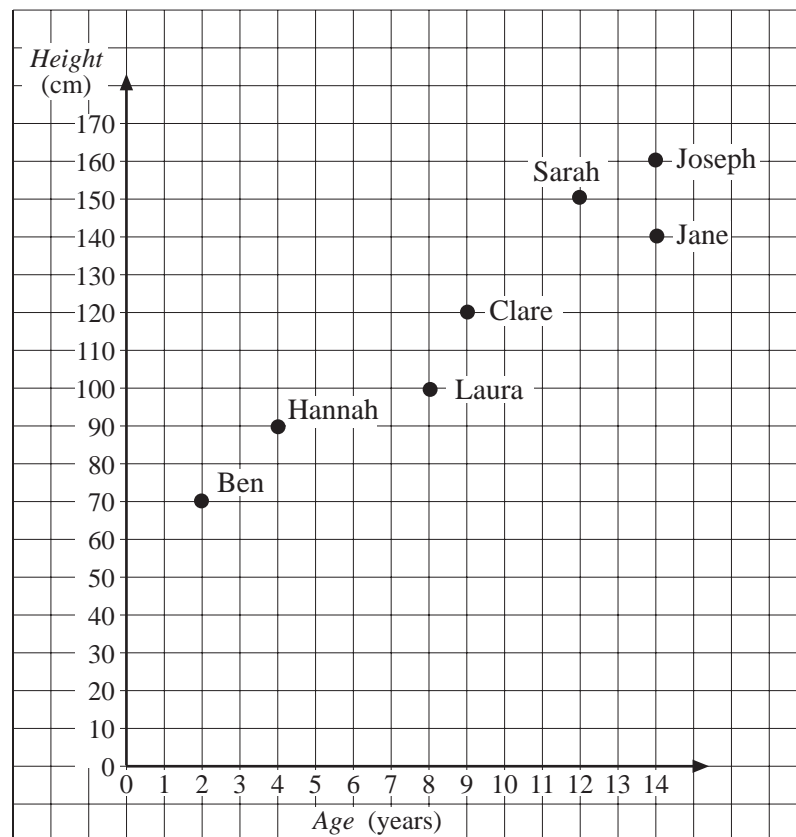


- (b) Join these points in order:
 $(6, 3)$, $(8, 6)$, $(4, 9)$, $(0, 6)$, $(2, 3)$, $(6, 3)$
- (c) What is the name of the shape you have drawn?

(8 marks)

Revision Test 3.1 (Standard)

4. Use the scatter graph below to answer the questions.



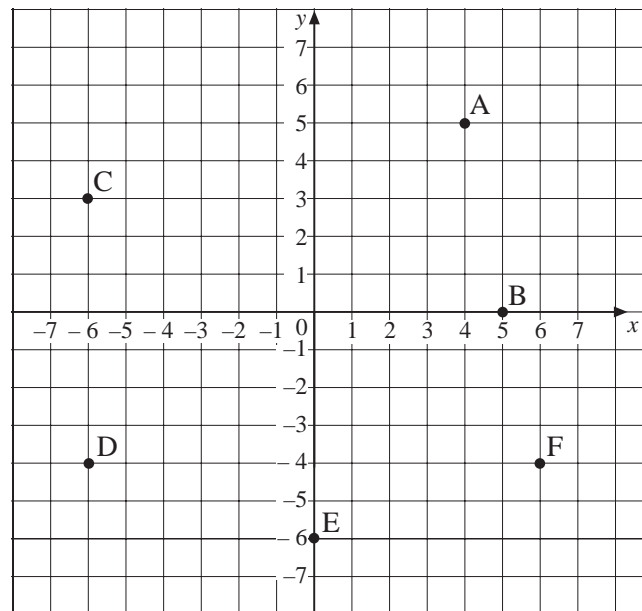
- (a) How old is Ben?
- (b) How tall is Sarah?
- (c) Who is 8 years old?
- (d) Who is 120 cm tall?
- (e) Who is the tallest of these people?
- (f) Who is the shortest?
- (g) Is Ben older than Joseph?
- (h) Write down the number that is missing from this sentence:

Jane is _____ years older than Clare.

(8 marks)

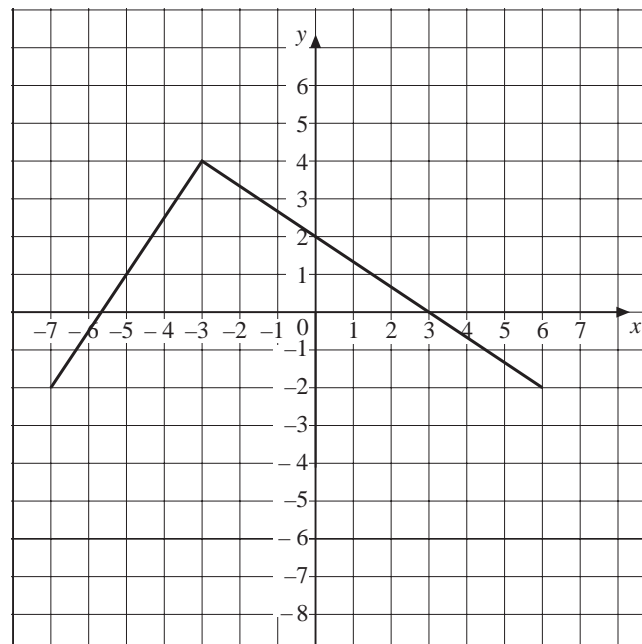
UNIT 3 *Graphs***Revision Test 3.2 (Academic)**

1. Write down the coordinates of each point shown on the grid below.



(6 marks)

2. The diagram shows 2 sides of a rectangle.

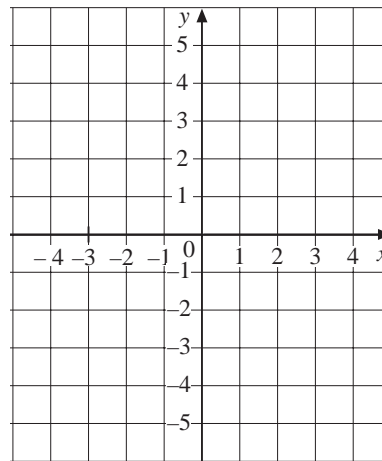


- (a) Copy the diagram and complete the rectangle.
(b) Write down the coordinates of the four corners of the rectangle.

(5 marks)

Revision Test 3.2 (Academic)

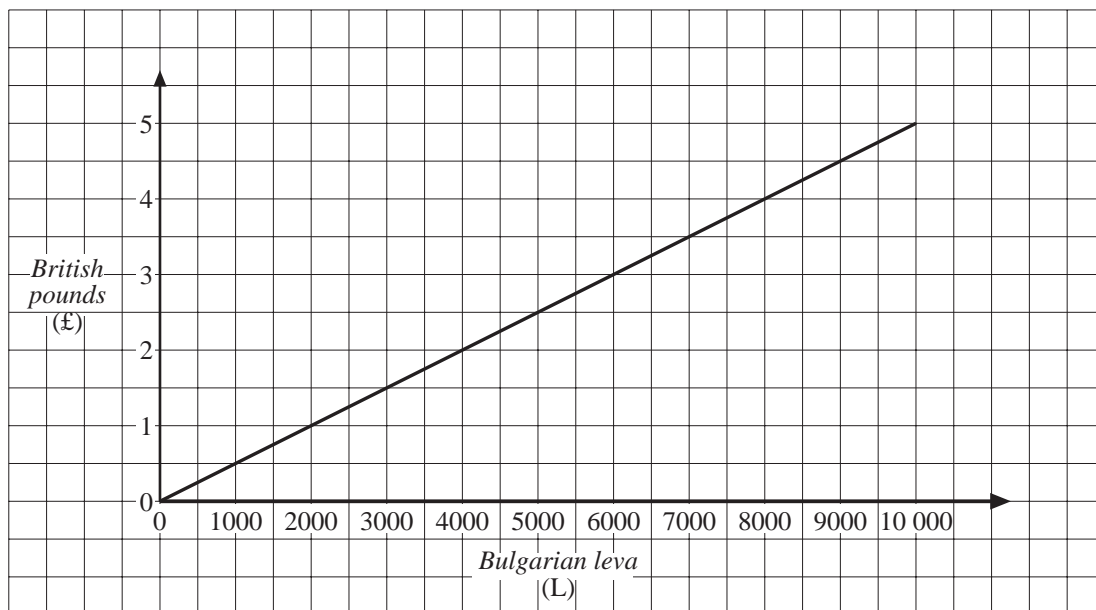
3. Copy the coordinate grid and join the points below in order.



$(-1, 4)$, $(-3, 4)$, $(-3, -4)$, $(3, -4)$, $(3, -2)$, $(-1, -2)$, $(-1, 4)$

(4 marks)

4. The graph below can be used to convert British pounds (£) into Bulgarian leva (L).



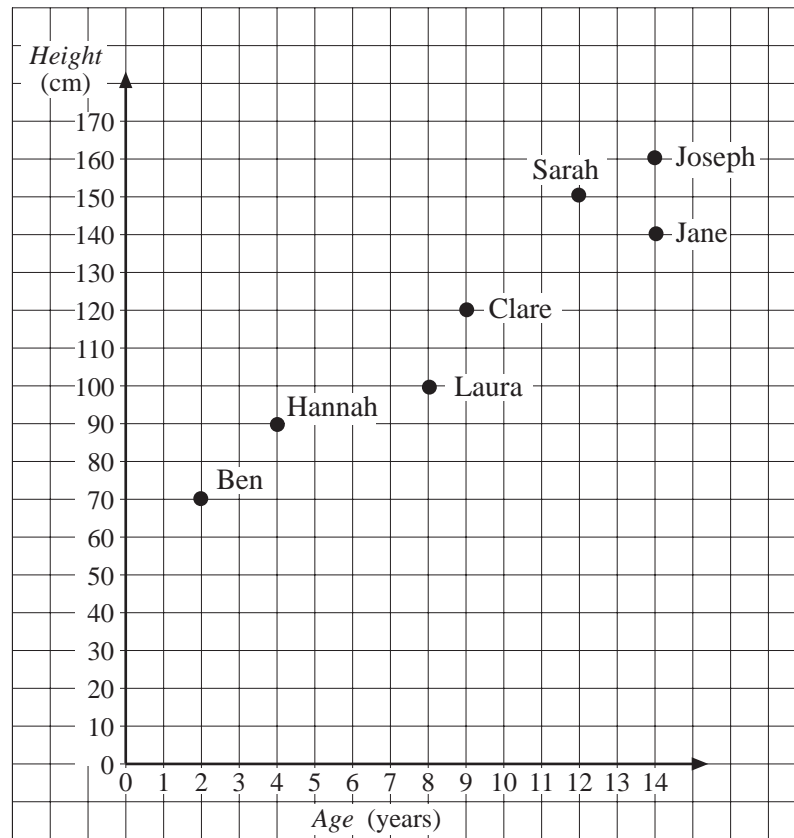
Convert:

- | | |
|----------------------------------|----------------------------------|
| (a) £5 to leva, | (b) £3 to leva, |
| (c) £1.50 to leva, | (d) 8000 leva to British pounds, |
| (e) 2000 leva to British pounds, | (f) 9000 leva to British pounds. |

(6 marks)

Revision Test 3.2 (Academic)

5. Use the scatter graph below to answer the questions.



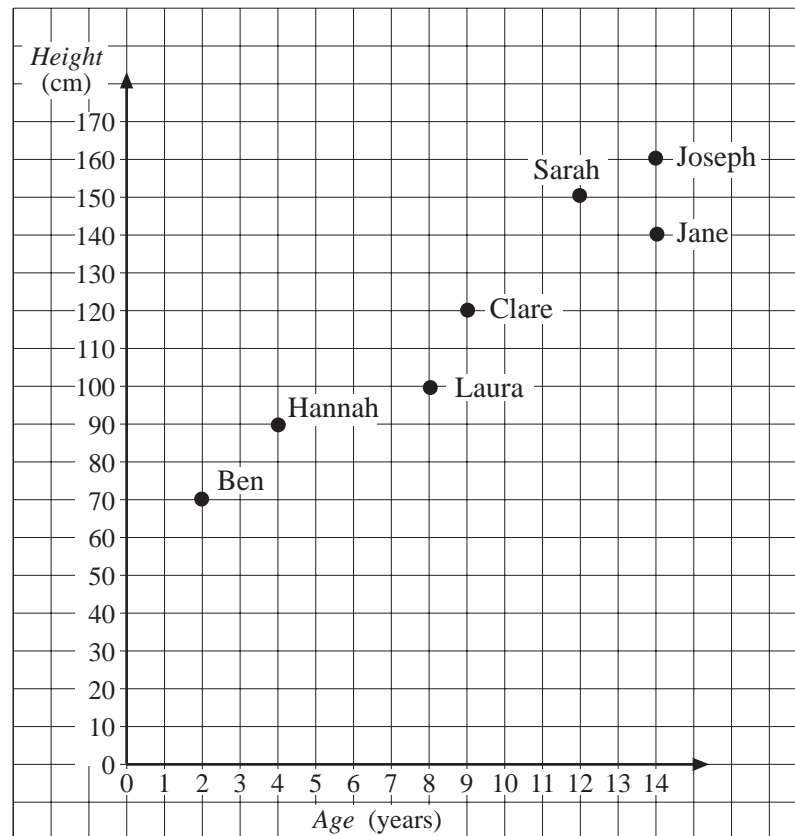
- (a) Who is 4 years older than Hannah?
- (b) How much taller is Joseph than Jane?
- (c) Who is older, Sarah or Jane?
- (d) Who is 2 years younger than Jane?
- (e) Who is 20 cm taller than Laura?

(9 marks)

UNIT 3 *Graphs*

Revision Test 3.3 (Express)

1. Use the scatter graph below to answer the questions.



- Who is 14 years old and 140 cm tall?
 - Sarah's older sister is included in the scatter graph.
Who is Sarah's older sister?
 - Laura is older than her brother. How old is he?
 - Jenny is the same age as Sarah and the same height as Clare.
How old is Jenny?
 - Who is 4 years older than Hannah?
 - Who is 20 cm taller than Laura?
2. A shape is formed by joining, in order, the points with these coordinates:
(4, 0), (3, 4), (−1, 6), (−5, 4), (−6, 0), (−3, −5), (1, −5), (4, 0)
- Draw the shape.
 - What is the name of the shape?

(8 marks)

(8 marks)

Revision Test 3.3 (Express)

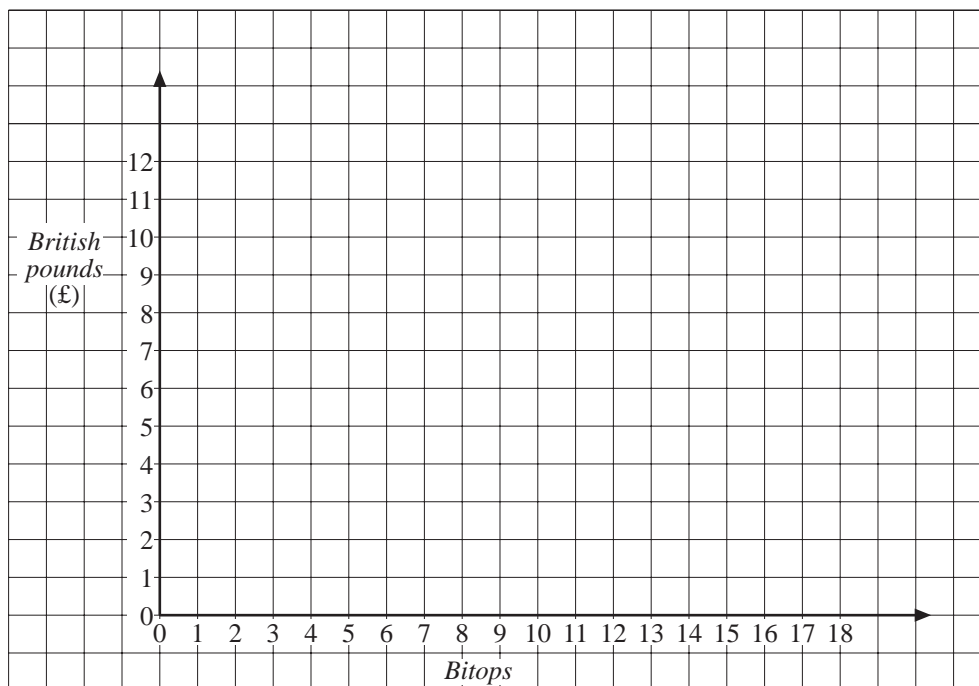
3. The coordinates of 2 corners of a square are $(1, 1)$ and $(-2, 4)$.

Draw the possible squares.

(6 marks)

4. Roger travels to a remote island. The currency there is based on a coin called a bitop. He is told that £10 is equivalent to 15 bitops.

(a) Use this information to draw a conversion graph on a copy of the axes below.



(b) Use the graph to convert:

- (i) £8 to bitops,
- (ii) 6 bitops to pounds,
- (iii) £2 to bitops,
- (iv) £7 to bitops,
- (v) $16\frac{1}{2}$ bitops to pounds.

(8 marks)

Revision Test 3.1 (Standard)

Answers

1.

A

(3, 8)

B

(7, 6)

C

(3, 5)

D

(6, 4)

E

(1, 3)

F

(8, 2)
- B1

B1

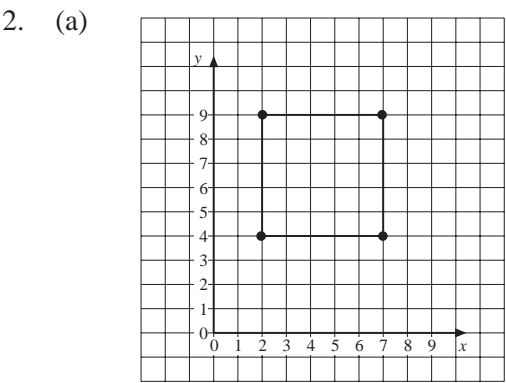
B1

B1

B1

B1

(6 marks)



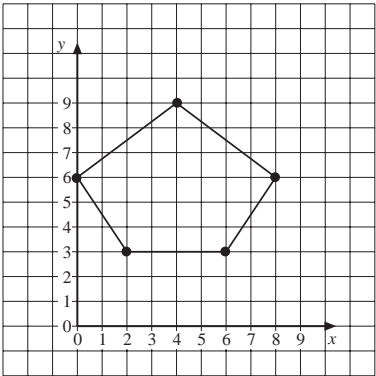
- (b) (2, 4), (7, 4), (2, 9 and (7, 9)

M1 A1 A1 A1

B1 B1 B1 B1

(8 marks)

3. (a) and (b)



- (c) Pentagon

M1 M1 A1 A1 A1 A1 A1

B1

(8 marks)

4.

(a)

2 years

(b)

150 cm

(c)

Laura

(d)

Clare

(e)

Joseph

(f)

Ben

(g)

No

(h)

Jane is 5 years older than Clare.
- B1

B1

B1

B1

B1

B1

B1

B1

(8 marks)

(TOTAL MARKS 30)

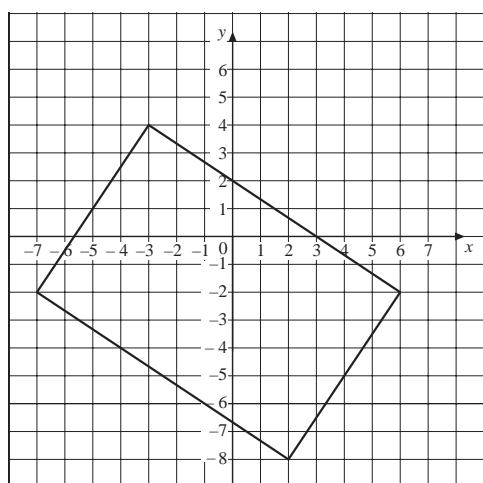
Revision Test 3.2 (Academic)

Answers

- | | | |
|------|----------|----|
| 1. A | (4, 5) | B1 |
| B | (5, 0) | B1 |
| C | (-6, 3) | B1 |
| D | (-6, -4) | B1 |
| E | (0, -6) | B1 |
| F | (6, -6) | B1 |

(6 marks)

2. (a)



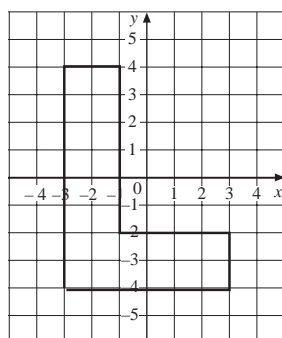
M1 A1 A1

- (b)
- $(-3, 4)$
- ,
- $(-7, -2)$
- ,
- $(6, -2)$
- ,
- $(2, -8)$

B1 B1

(5 marks)

- 3.



M1 A1 A1 A1

(4 marks)

- | | | |
|--------|-------------|----|
| 4. (a) | 10 000 leva | B1 |
| (b) | 6000 leva | B1 |
| (c) | 3000 leva | B1 |
| (d) | £4 | B1 |
| (e) | £1 | B1 |
| (f) | £4.50 | B1 |

(6 marks)

Answers

Revision Test 3.2 (Academic)

- | | |
|-------------------------|-------|
| 5. (a) Laura | M1 A1 |
| (b) $160 - 140 = 20$ cm | M1 A1 |
| (c) Jane | B1 |
| (d) Sarah | M1 A1 |
| (e) Clare | M1 A1 |

*(9 marks)***(TOTAL MARKS 30)**

Revision Test 3.3 (Express)

Answers

1.

(a)

Jane

(b)

Jane

(c)

2 years

(d)

12 years (120 cm)

(e)

Laura

(f)

Clare
- B1

B1

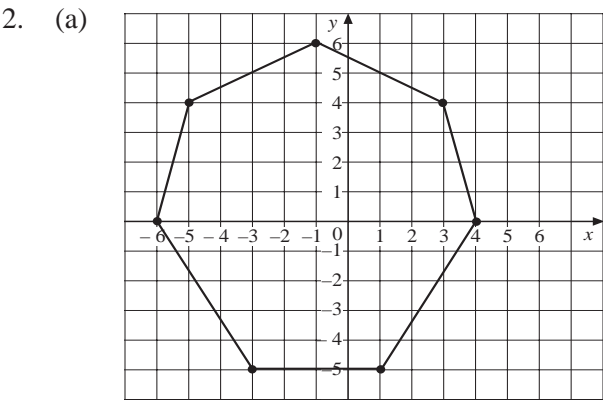
M1 A1

B1 B1

B1

B1

(8 marks)

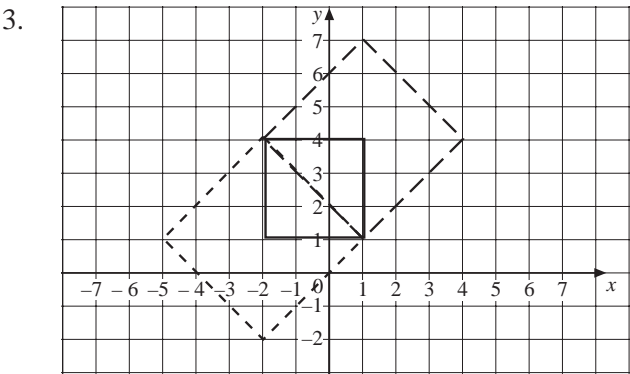


M1 A1 A1 A1
A1 A1 A1 A1

- (b)

The shape is a heptagon.
- B1

(8 marks)



M1 A1
M1 A1
M1 A1

(6 marks)

4.

(a)

See graph on following page.

(b)

(i)

12 bitops

(ii)

£4

(iii)

3 bitops

(iv)

10.5 bitops

(v)

£11
- M1 A1 A1

B1

B1

B1

B1

B1

(8 marks)

(TOTAL MARKS 30)

Answers

Revision Test 3.3 (Express)

4. (a)

