

Paper Reference 8FM0–27
Pearson Edexcel Level 3 GCE

Further Mathematics
Advanced Subsidiary
Further Mathematics options
27: Decision Mathematics 1
(Part of options D, F, H and K)

Thursday 16 May 2019 – Afternoon

Answer Book

In the boxes below, write your name, centre number and candidate number.

Surname					
Other names					
Centre Number					
Candidate Number					

X61639A

INSTRUCTIONS

**THIS ANSWER BOOK MUST BE RETURNED WITH
THE DIAGRAM BOOK AT THE END OF THE
EXAMINATION.**

1.

1. continued

[illegible]

Turn over

1. continued

1. continued

1. continued

[illegible]

Turn over

1. continued

(Total for Question 1 is 6 marks)

2. Refer to the information for Question 2 in the Diagram Book.

You may not need to use all the rows in the following table.

It may not be necessary to complete all boxes in each row.

2. continued.

A	B	N	H	C	D	E	F

Turn over

2. continued.

A	B	N	H	C	D	E	F

Turn over

2. continued.

A	B	N	H	C	D	E	F

Turn over

2. continued.

A	B	N	H	C	D	E	F

Final output: _____

2. continued.

[illegible]

Turn over

2. continued.

[illegible]

Turn over

2. continued.

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

(Total for Question 2 is 7 marks)

3.

3. continued.

3. continued.

[illegible]

Turn over

3. continued.

[illegible]

Turn over

3. continued.

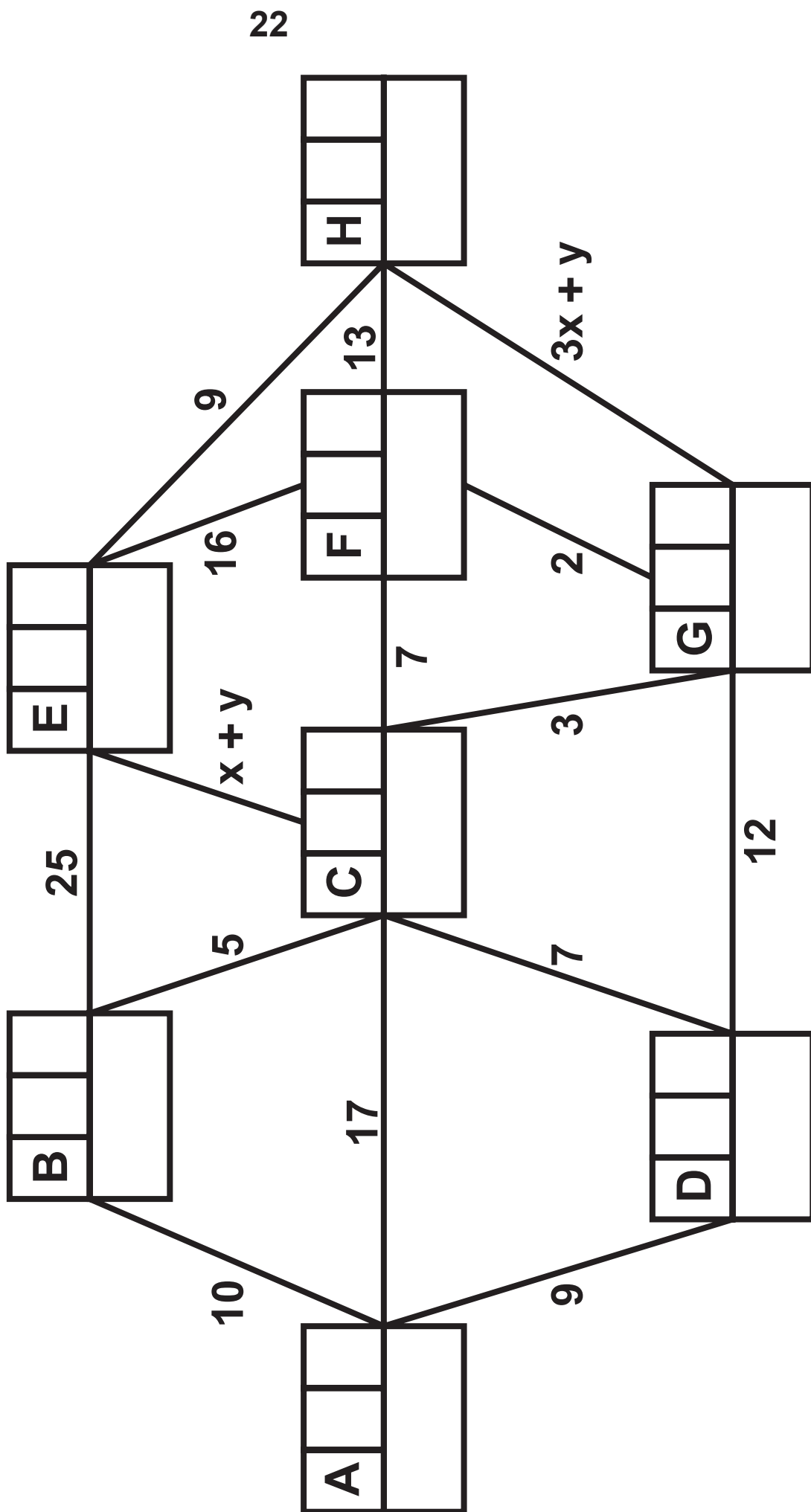
[illegible]

(Total for Question 3 is 7 marks)

Key:

Vertex	Order of labelling	Final value
Working values		

4.



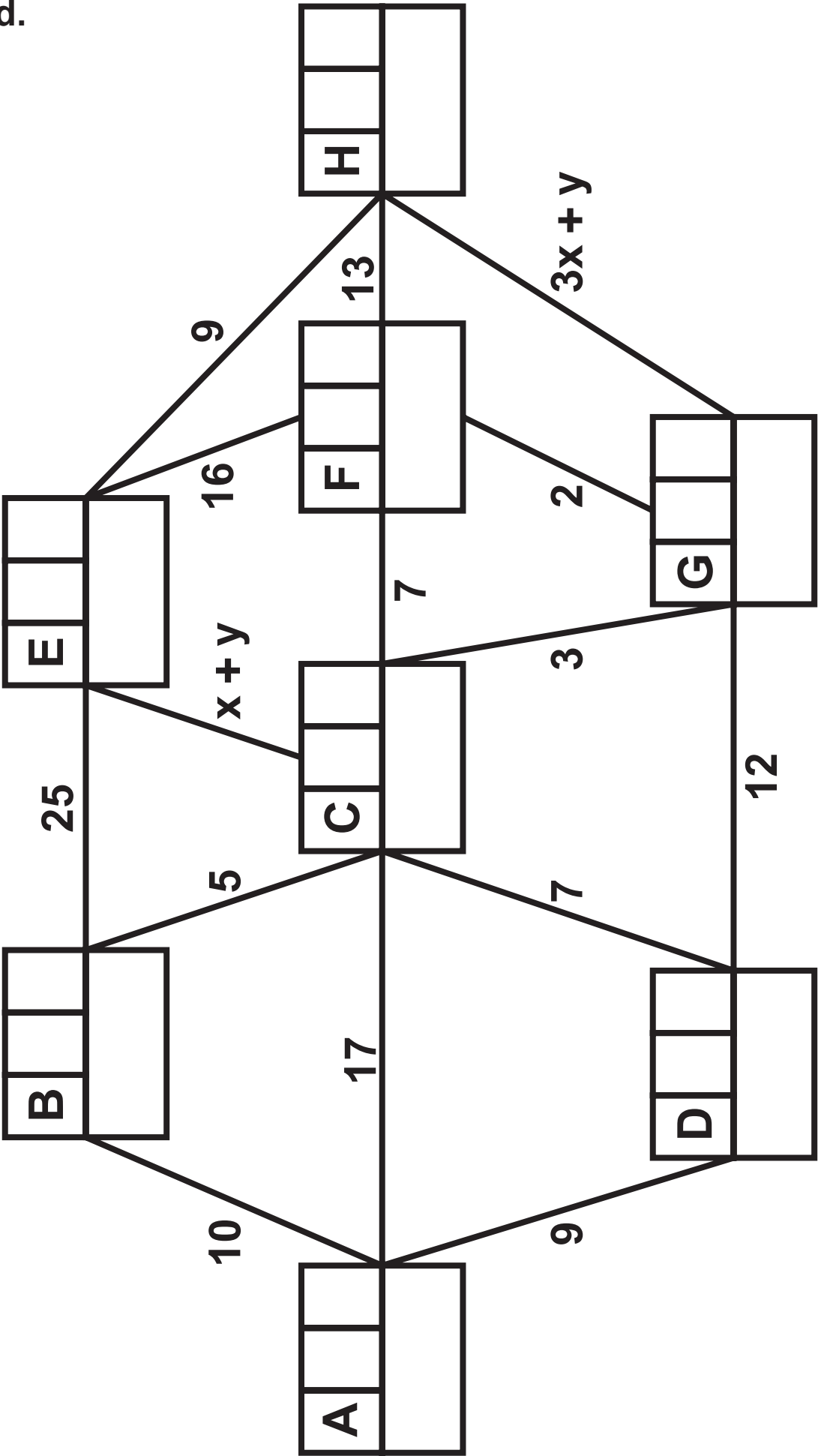
22

Turn over

4. continued.

Key:

Vertex	Order of labelling	Final value
Working values		



4. continued.

[illegible]

Turn over

4. continued.

[illegible]

Turn over

4. continued.

[illegible]

(Total for Question 4 is 10 marks)

5.

[illegible]

5. continued.

[illegible]

Turn over

5. continued.

[illegible]

Turn over

5. continued.

This image shows a single page from a notebook or ledger. It features a series of evenly spaced, thin black horizontal lines running across the width of the page. The background is plain white, and there are no margins, text, or other markings present.

Turn over

5. continued.

[illegible]

Turn over

5. continued.

[illegible]

Turn over

5. continued.

[illegible]

Turn over

5. continued.

[illegible]

Turn over

5. continued.

[illegible]

(Total for Question 5 is 10 marks)

TOTAL FOR DECISION MATHEMATICS 1 IS 40 MARKS

END OF PAPER