Please check the examination details below before entering your candidate information

Candidate surname	Other names

Pearson Edexcel Level 3 GCE

Centre Number	Candidate Number

Thursday 14 May 2020

Afternoon	Paper Reference **8FM0/27**

Further Mathematics

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

Answer Book
Do not return the question paper with the answer book.

Total Marks

Turn over ▶

P62676A

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1/1/1/1/1/

P 6 2 6 7 6 A 0 1 1 2

Pearson

1.

3.7 2.5 5.4 1.9 2.7 3.2 3.1 2.7 4.2 2.0

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Question 1 continued

(Total for Question 1 is 6 marks)

DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA

2. (a)

Activity	Immediately preceding activities
A	
B	
C	
D	

Activity	Immediately preceding activities
E	
F	
G	
H	

Activity	Immediately preceding activities
I	
J	
K	

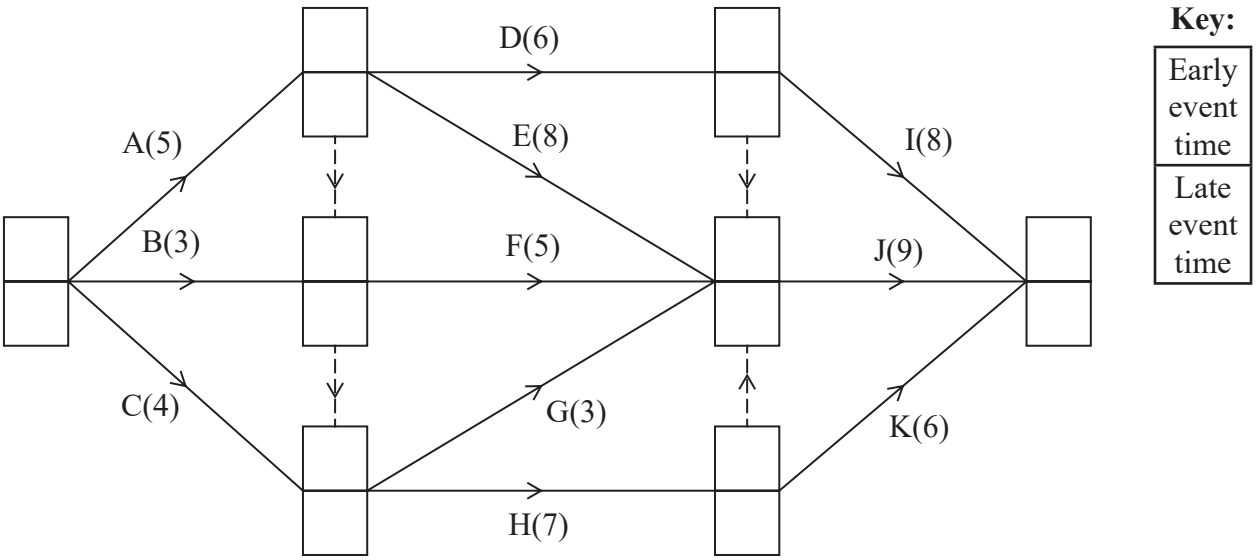
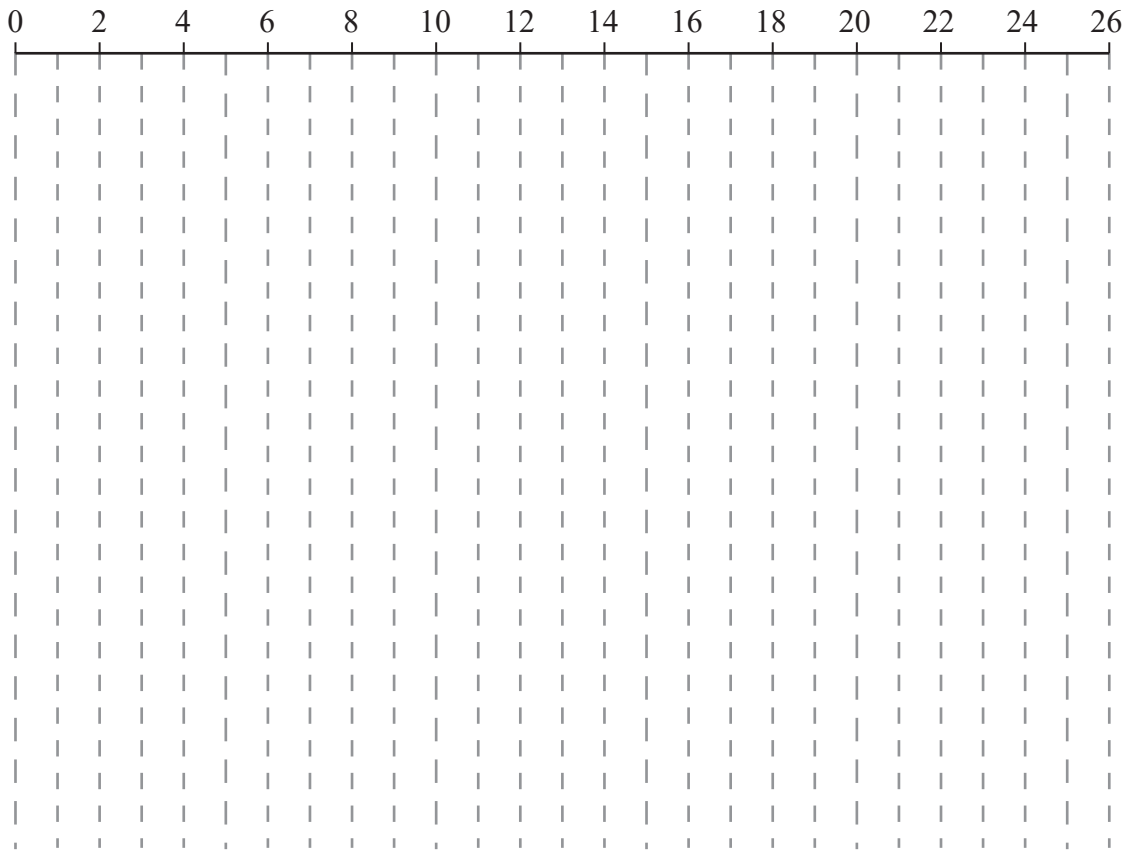


Diagram 1

DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA

Question 2 continued



Grid 1

(Total for Question 2 is 14 marks)

DO NOT WRITE IN THIS AREA
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DO NOT WRITE IN THIS AREA

3.

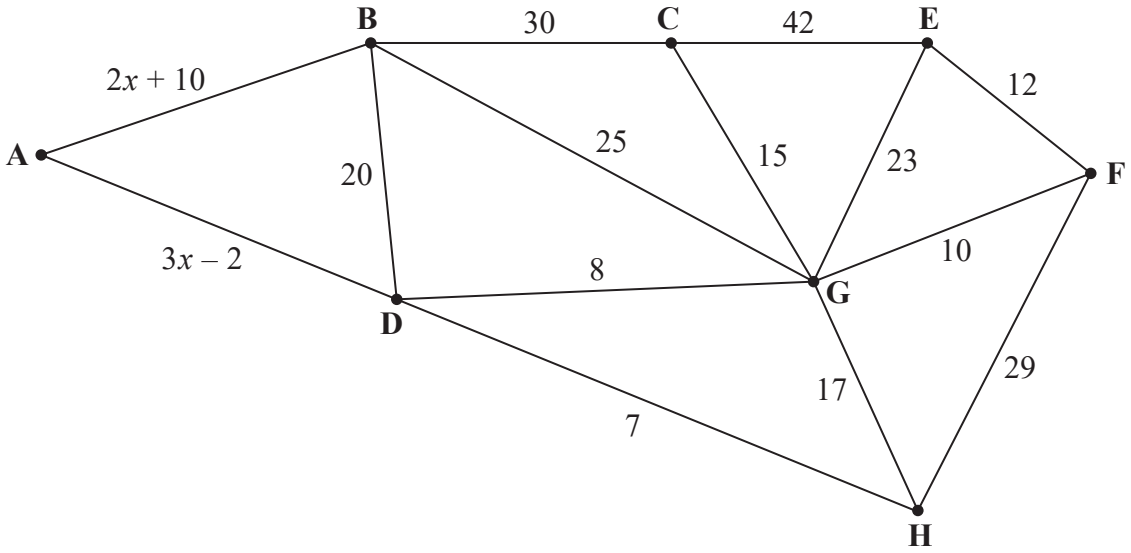

Figure 2

[*The weight of the network is* $5x + 246$]

DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA

Question 3 continued

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DO NOT WRITE IN THIS AREA

Question 3 continued

DO NOT WRITE IN THIS AREA
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DO NOT WRITE IN THIS AREA

Question 3 continued

(Total for Question 3 is 11 marks)

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4.

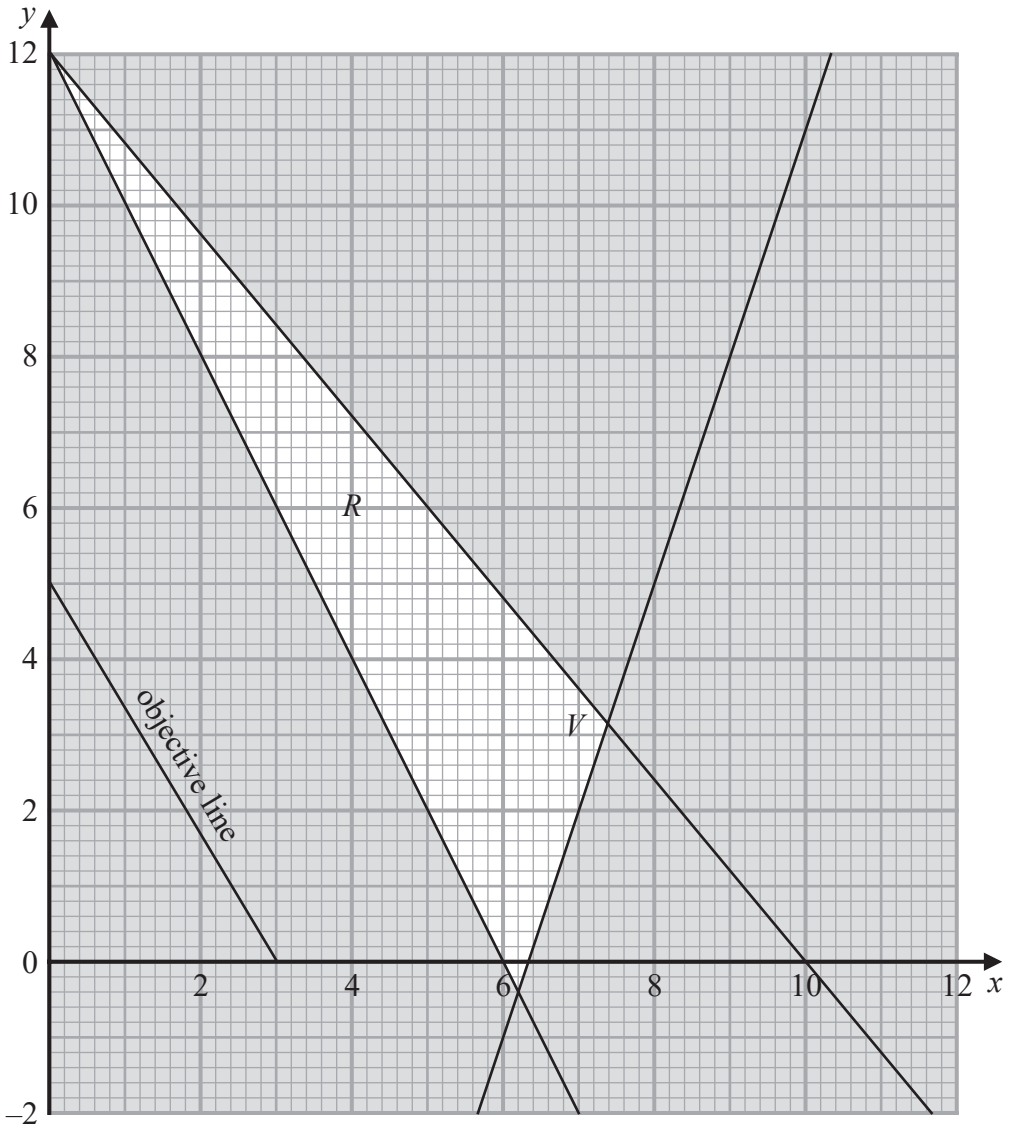

Figure 3

DO NOT WRITE IN THIS AREA
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DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA
DO NOT WRITE IN THIS AREA

Question 4 continued

Question 4 continued

(Total for Question 4 is 9 marks)

TOTAL FOR DECISION MATHEMATICS 1 IS 40 MARKS

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