

Please check the examination details below before entering your candidate information

Candidate surname

Other names

Pearson Edexcel
Level 3 GCE

Centre Number

--	--	--	--	--

Candidate Number

--	--	--	--	--

Sample Assessment Material

(Time: 1 hour 30 minutes)

Paper Reference **9FM0/3D**

Further Mathematics
Advanced
Paper 3D: Decision Mathematics 1

Answer book

Do not return the question paper with the answer book.

Total Marks

Turn over ►

S61299A

©2018 Pearson Education Ltd.

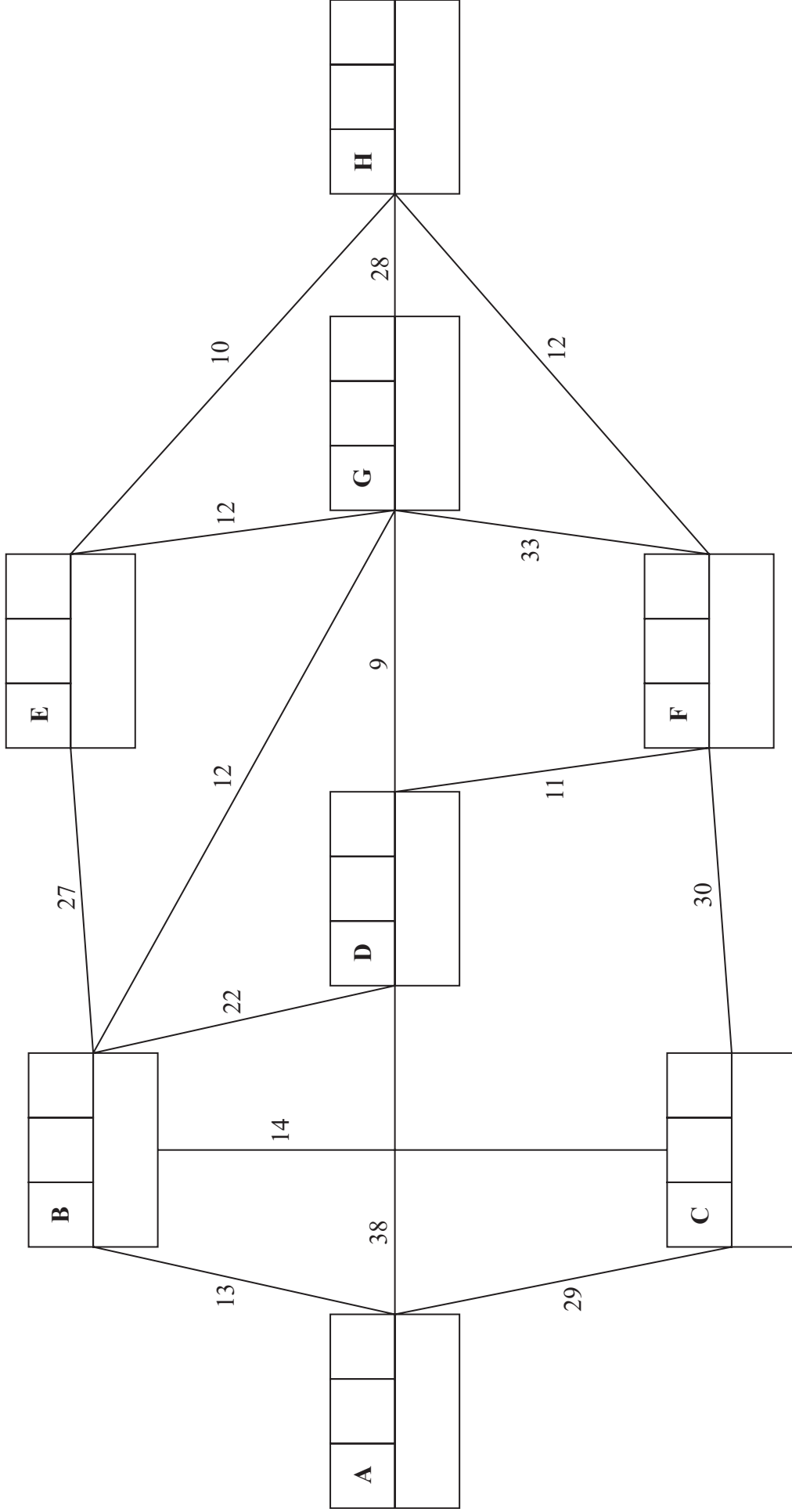
1/1/1/1/




Pearson



3.



Key:

Vertex	Order of labelling	Final value
Working values		

Time required to travel quickest route from A to H: _____

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

5.

(b)

b.v.	x	y	z	s_1	s_2	s_3	Value
							400
							350
							75
P							

(c)

b.v.	x	y	z	s_1	s_2	s_3	Value	Row Ops
P								

b.v.	x	y	z	s_1	s_2	s_3	Value	Row Ops
P								

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



6. (a)

Initial Distance table

	A	B	C	D	E
A					
B					
C					
D					
E					

Initial Route table

	A	B	C	D	E
A					
B					
C					
D					
E					

(b) 1st Iteration

Distance table

	A	B	C	D	E
A					
B					
C					
D					
E					

Route table

	A	B	C	D	E
A					
B					
C					
D					
E					

2nd Iteration

Distance table

	A	B	C	D	E
A					
B					
C					
D					
E					

Route table

	A	B	C	D	E
A					
B					
C					
D					
E					

Spare tables

Distance table

	A	B	C	D	E
A					
B					
C					
D					
E					

Route table

	A	B	C	D	E
A					
B					
C					
D					
E					

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

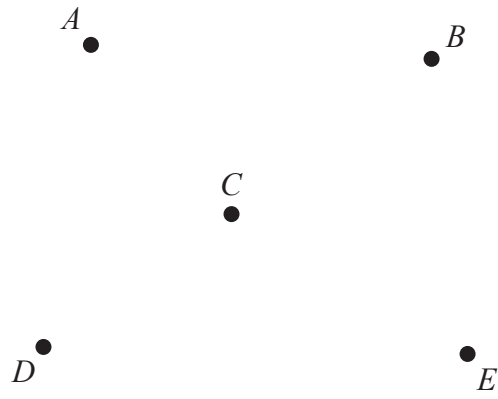
DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



Question 6 continued

(c)



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



