

**Paper Reference 8FM0–27**  
**Pearson Edexcel**  
**Level 3 GCE**

**Total Marks**

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

**Thursday 17 May 2018 – Afternoon**

**Answer Book**

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

|                         |  |  |  |  |  |
|-------------------------|--|--|--|--|--|
| <b>Surname</b>          |  |  |  |  |  |
| <b>Other names</b>      |  |  |  |  |  |
| <b>Centre Number</b>    |  |  |  |  |  |
| <b>Candidate Number</b> |  |  |  |  |  |

**Read the instructions on the next page.**

**V60208A**

**INSTRUCTIONS**

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

**Turn over**









**1. continued.**

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**(Total 9 marks)**

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2.

**Minimum number of arcs:**

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**Maximum number of arcs:**

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**(continued on the next page)**

**Turn over**

**2. continued.**

**(b) (i) Answer space and lines  
continue on the next fifteen  
pages.**

**2. (b) (i) continued.**









































**3. continued.**

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**(Total 10 marks)**

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4. continued.

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**(Total 11 marks)**

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**TOTAL FOR DECISION MATHEMATICS 1**

**IS 40 MARKS**

**END OF PAPER**

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