Group C Pre-Test – Maths GCSE F

|  |  |
| --- | --- |
| Name |  |

Q1

|  |  |  |  |
| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
| **a** |  | M1 for subtracting two given angles from 180 | **M1** |
|  |  |  | **A1** |
| **b** | Rhombus | B1 for each (accept diamond for rhombus) | **B1** |
|  | Parallelogram |  | **B1** |
|  | Trapezium |  | **B1** |

Q2

|  |  |  |  |
| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
|  | Plan view correctly drawn | Rectangle 3 1 | **B1** |

Q3

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| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
| **a** |  |  | **B1** |
| **b** |  | seen | **M1** |
|  |  | 60 | **A1** |
| **c** |  |  | **B1** |

Q4

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| Part | Answer | Additional guidance | Marks |
|  | 49 m2 | M1 for evidence of splitting the compound shape into a rectangle and triangle  M1 for correct formulae for area of  a triangle, e.g. oe | **M2** |
|  |  |  | **A1** |

Q5

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| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
| **a** | 45(°) |  | **M1** |
|  |  | 45 | **A1** |
| **b** | 135(°) | FT either 180 – their ‘a’ or | **M1** |
|  |  | 135 | **A1** |

Q6

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| Part | Answer | Additional guidance | Marks |
| **a** |  | M1 for attempt to calculate area  (must use radius) | **M1** |
|  |  |  | **A1** |
| **b** |  | M1 for evidence of finding circumference | **M1** |
|  | so NO, he does not | M1 for comparison to 9 | **M1** |
|  |  | A1 for correct justified conclusion | **A1** |

Q7

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| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
|  | 61.7 | seen | **M1** |
|  |  |  | **M1** |
|  |  | Answer rounding to 61.7 | **A1** |

Q8

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| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
|  | Area of triangle | M1 for attempt to find area of cross-section | **M1** |
|  |  | M1 for multiplying *their* area by 15 | **M1** |
|  |  |  | **A1** |

Q9

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| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
|  | 377 | M1 for oe even as part of a further calculation | **M1** |
|  |  | M1 for oe even as part of a further calculation | **A1** |

Q10

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| --- | --- | --- | --- |
| Part | Answer | Additional guidance | Marks |
|  | 142o | M1 for forming an equation and attempting to solve it. | **M1** |
|  |  | M1 for multiplying the answer above by 2,  e.g. 71 2 | **M1** |
|  |  |  | **A1** |

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| --- | --- |
| Overall Mark | / 33 |