UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

## MAXIMUM SCORE: 56

## Types of score

$\mathbf{M}$ scores are given for a correct method.
A scores are given for an accurate answer following a correct method.
B scores are given for a correct statement or step.
D scores are given for a clear and appropriately accurate drawing.
$\mathbf{P}$ scores are given for accurate plotting of points.
$\mathbf{E}$ scores are given for correctly explaining or establishing a given result.
SC scores are given for special cases that are worthy of some credit.

## Abbreviations

cao correct answer only
cso correct solution only
ft follow through
isw ignore subsequent working
oe or equivalent
soi seen or implied
ww without working
www without wrong working


| 8 (a) | Points plotted correctly | P1 P1 | B1 |
| :--- | :--- | :---: | :--- |
| (b) | $(1,6)$ | B2 | If B0 award M1 for $60 \div 360$ or $360 \div 60$ <br> seen, oe |
| 9 | 100 | B1 | B2 ft |
| (bollow through their (a) |  |  |  |
| M1 for $\frac{(7 \times 8-5 \times 9)}{\text { their } 63}$ |  |  |  |


| 16 (a) <br> (b) | Both points correctly plotted $32.5$ | P1 | Tolerance is 1 mm for parts (a), (c), an <br> If B0 award M1 for 260 seen or implied. If working shown condone one error or omission Or $\frac{\Sigma f x}{8}$ seen |
| :---: | :---: | :---: | :---: |
| (c) | Correct point | P1 ft |  |
| (d) | Correct ruled line passing through mean point | D1 | For line though their mean point and intercepting vertical axis between 10 and 25 |
| 17 (a) | 90 | B1 |  |
| (b) | 65 | B2 | M1 for 180-25-their (a) [155-their (a)] |
| (c) | 25 | B2 ft | Follow through 90 - their (b) |
|  |  |  | B1 for angle $D E B=90^{\circ}$ used or B1 for angle $C E B=65^{\circ}$ seen |
|  |  |  | [5] |
| 18 (a) | 0.7 | B1 | Accept equivalent fractions or percentages in all parts. Do not accept ratios or words |
| (b) (i) | 0.70 .20 .9 | B2 | B1 if 2 correct follow through from their (a) |
| (ii) | 0.24 | B2 | B1 for $0.3 \times 0.8$ seen |
|  |  |  | [5] |

