# 0607 CAMBRIDGE INTERNATIONAL MATHEMATICS <br> 0607/01 <br> Paper 1 (Core), maximum raw mark 40 

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Mark schemes must be read in conjunction with the question papers and the report on the examination.

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

## Abbreviations

| cao | correct answer only |
| :--- | :--- |
| cso | correct solution only |
| ft | follow through |
| oe | or equivalent |
| soi | seen or implied |
| ww | without working |
| www | without wrong working |



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\begin{tabular}{|c|c|c|c|}
\hline \begin{tabular}{l}
9 (a) \\
(b)
\end{tabular} \& \begin{tabular}{l}
Translation, \(\binom{4}{3}\) \\
Reflection in \(x=1\)
\end{tabular} \& B2

B2 \& | Award B1 for translation |
| :--- |
| B1 for $\binom{4}{3}$ or equivalent words |
| Award B1 for reflection |
| B1 for $x=1$ or line indicated | <br>

\hline \multirow[t]{3}{*}{10} \& 100 \& B1 \& \multirow[b]{3}{*}{| Accept 19 |
| :--- |
| [3] |} <br>

\hline \& 20 \& B1 \& <br>
\hline \& 90 kg \& B1 \& <br>

\hline \multirow[t]{3}{*}{| 11 (a) |
| :--- |
| (b) |
| (c) |} \& 30 \& B1 \& \multirow[t]{3}{*}{| B1 for $180-(2 \times 70)$ seen or implied |
| :--- |
| B1 for 720 or 330 seen |} <br>

\hline \& 40 \& B2 \& <br>
\hline \& 150 \& B2 \& <br>

\hline \multirow[t]{6}{*}{12} \& $\frac{x}{50}=\frac{10}{25} \quad$ oe \& \& \multirow[b]{6}{*}{| Dependent for correctly removing fractions. |
| :--- |
| OR |
| M1 for 2.5 or 0.4 or equivalent seen. |
| M1 for multiplying |
| OR |
| M1 for finding angle invtan $\frac{50}{25}$ |
| M1 for multiplying $10 \times \tan$ (angle) www 3 |} <br>

\hline \& \multirow[t]{5}{*}{$$
\begin{aligned}
& 25 x=500 \\
& x=20 \mathrm{~m}
\end{aligned}
$$} \& \multirow[t]{5}{*}{} \& <br>

\hline \& \& \& <br>
\hline \& \& \& <br>
\hline \& \& \& <br>
\hline \& \& \& <br>
\hline
\end{tabular}

