





| Question |  | Answer | Marks | Guidance |
| :---: | :---: | :---: | :---: | :---: |
| 5 | (ii) | $\text { Objective }=40 x+50 y$ <br> 29000 at $(100,500)$ <br> 27500 at $(250,350)$ <br> Solution ... 100 snowboards and 500 pairs of skis | B1 <br> M1 <br> A1 <br> [3] | objective <br> considering profits at the two indicated points of their pentagon (or using a profit line) cao www |
| 5 | (iii) | $€ 10$ or more | $\begin{aligned} & \text { B1 } \\ & \text { [1] } \end{aligned}$ | cao (allow €51 etc) |
| 5 | (iv) | 35 snowboards | M1 <br> A1 <br> [2] | moving to appropriate new feasible point on their negatively inclined line <br> cao... integer! <br> (allowing 30 to 40 for graphical inaccuracy) |



