The speed of a car is increases steadily for an hour. The speed of the car is measured every fifteen minutes and in the following table.

<table>
<thead>
<tr>
<th>Time in minutes</th>
<th>0</th>
<th>15</th>
<th>30</th>
<th>45</th>
<th>60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Velocity in mph</td>
<td>20</td>
<td>25</td>
<td>30</td>
<td>35</td>
<td>40</td>
</tr>
</tbody>
</table>

(Note that the speed is in miles per hour and that the time is given in minutes. So you should changes the minutes to hours. That is 15 minutes = .25 hours etc.)

(1) Give a lower bound for the distance the car has traveled in the hour.

Lower bound =

(2) Give an upper bound for the distance the car has travel in the hour.

Upper bound =

(3) What is the best guess for the distance covered by the car in the hour?

Best guess =