Vertical Table for Average Rate of Change

Use the table to find the rate of change. Then graph it.

<table>
<thead>
<tr>
<th>Time Driving (h) x</th>
<th>Distance Travelled (mi) y</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>80</td>
</tr>
<tr>
<td>4</td>
<td>160</td>
</tr>
<tr>
<td>6</td>
<td>240</td>
</tr>
</tbody>
</table>

A rate of change is a rate that describes how one quantity changes in relation to another quantity.

\[
\text{rate of change} = \frac{\text{change in } y}{\text{change in } x}
\]

\[
= \frac{\text{change in distance}}{\text{change in time}}
\]

\[
= \frac{160-80}{4-2}
\]

\[
= \frac{80}{2}
\]

\[
= \frac{40}{1}
\]