### 13th January

**Speed (m/s)**

<table>
<thead>
<tr>
<th>Time (seconds)</th>
<th>0</th>
<th>7</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed (m/s)</td>
<td>10</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

The average speed from 0 to t seconds was 5.96m/s

Find t

Find the rate of deceleration from 12 to t seconds.

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**Solve**

\[ x^2 - 5x + 4 > 0 \]

Find x

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**Prove the opposite angles in a cyclic quadrilateral add to 180°**

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