23rd May

49\(\frac{1}{2}\)

Solve

\[ 4x^2 - 25 = 0 \]

Simplify

\[ \frac{5x^2 - 13x + 8}{x^2 - 1} \]

<table>
<thead>
<tr>
<th>Number of goals</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probability</td>
<td>0.4</td>
<td>0.3</td>
<td>0.2</td>
<td>0.1</td>
</tr>
</tbody>
</table>

What is the probability David scores in two consecutive games?

\[ xy = a \quad \text{where } a \text{ is a constant} \]

Select the correct statement

- y is directly proportional to x
- x is directly proportional to y
- y is directly proportional to \( \frac{1}{x} \)
- y is inversely proportional to \( \frac{1}{x} \)