<table>
<thead>
<tr>
<th>29th April</th>
<th>Find x</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image.png" alt="Diagram" /></td>
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</tbody>
</table>

The cost of a trip, $c$, varies directly to the square root of the number of miles, $m$. 

The cost of a 100 mile trip is £50.

What is the cost of a 400 mile trip?

Two ordinary fair dice are rolled.

Work out the probability that at least one of the dice does not land on a 1.

Write down the exact value of

\[ \sin 45^\circ \]

Write down the exact value of

\[ \tan 45^\circ \]

Solve

\[ y^2 + 9y + 2 = 8y + 58 \]