29th November

Complete the table for the graph
\[ y = 4 - x^2 \]

<table>
<thead>
<tr>
<th>( x )</th>
<th>-3</th>
<th>-2</th>
<th>-1</th>
<th>0</th>
<th>1</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>( y )</td>
<td>-5</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Hence draw the graph on the grid.

Work out
\[ \frac{\pi}{3} - \frac{\pi}{7} \]

Give your answer in terms of \( \pi \)

James says \((a + b)^2 = a^2 + b^2\)
Is he correct?

The ratio of red to green sweets in a bag is 7:2

If \( r \) is the number of red sweets and \( g \) is the number of green sweets in the bag, work out a formula for \( r \) in terms of \( g \).