SHOW ALL YOUR WORK
Be sure to include sketches of any calculator generated graphs.

1. (10 pts.) Solve the inequality

\[
\frac{1+x}{1-x} \geq 1
\]

\[
\frac{1+x}{1-x} - 1 \geq 0
\]

\[
\frac{1+x - (1-x)}{1-x} \geq 0
\]

\[
\frac{2x}{1-x} \geq 0
\]

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
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</thead>
<tbody>
<tr>
<td>2x</td>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>1-x</td>
<td>+</td>
<td>-</td>
</tr>
</tbody>
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(-) (+) (-)

Solution \[0 \leq x < 1\]