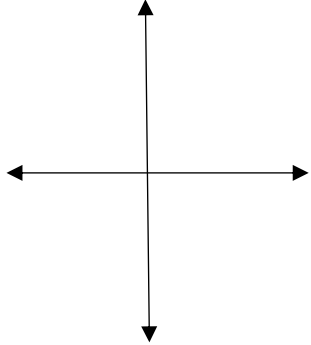
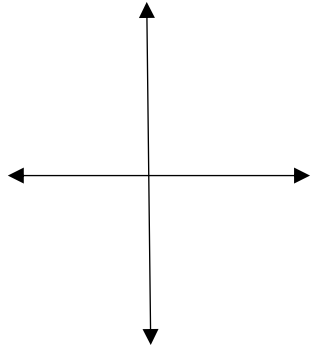
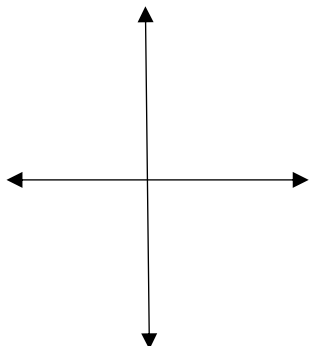
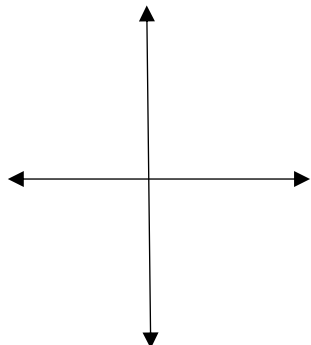
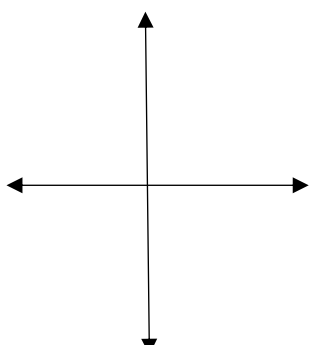
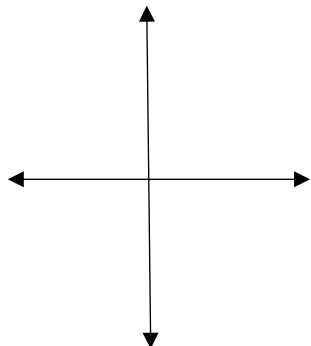


Use the graphing calculator to help you solve each inequality. You must set-up the system of equations needed first: $y_1 =$ and $y_2 =$. Then you must sketch what you expect the graph of the system of $y_1 =$ and $y_2 =$ to look like prior to using the calculator. (Round answers to 3 decimal places).

<p>47. Solve: $9^x < 54$</p> <p style="text-align: center;">Sketch the graph below:</p> <div style="text-align: center;">  </div> <p>$y_1 =$ $y_2 =$</p> <p>Solution:</p>	<p>49. Solve: $\ln x \geq 3$</p> <p style="text-align: center;">Sketch the graph below:</p> <div style="text-align: center;">  </div> <p>$y_1 =$ $y_2 =$</p> <p>Solution:</p>
<p>51. Solve: $3^{4x-5} < 8$</p> <p style="text-align: center;">Sketch the graph below:</p> <div style="text-align: center;">  </div> <p>$y_1 =$ $y_2 =$</p> <p>Solution:</p>	<p>53. Solve: $-3\log_5 x + 6 \leq 9$</p> <p style="text-align: center;">Sketch the graph below:</p> <div style="text-align: center;">  </div> <p>$y_1 =$ $y_2 =$</p> <p>Solution:</p>
<p>59. Solve: $\ln(2x) = 3^{-x+2}$</p> <p style="text-align: center;">Sketch the graph below:</p> <div style="text-align: center;">  </div> <p>$y_1 =$ $y_2 =$</p> <p>Solution:</p>	<p>61. Solve: $\log x = 3^{x-3}$</p> <p style="text-align: center;">Sketch the graph below:</p> <div style="text-align: center;">  </div> <p>$y_1 =$ $y_2 =$</p> <p>Solution:</p>