Sound Intensity with dB

Step 1: Using the formula for the speed of sound in air based on temperature, find the speed of sound at the location of your problem. Show your calculation neatly below.

Step 2: Show your calculation to find distance to the x that was placed randomly in your problem

Step 3: Show the calculation for finding the intensity of the sound wave at the location of the x in your program. Enter your answers into the program to make sure you did everything correctly

Step 4: Show the calculation necessary to get the number of dB in the location of the x. This is known as the intensity level. Enter your answers into the program to make sure you did everything correctly

Step 5: Would doubling the power of the sound wave double the number of dB? Explain