Question 4

Q: How to calculate the sound pressure level?

A: The sound pressure level, Lp, is defined by the following equation using the absolute value of sound pressure, P.

$$L_p = 20 * log\left(\frac{P}{P_0}\right)[dB]$$

$where\ log\ is\ the\ common\ logarithm\ with\ a\ base\ of\ 10, and$

$P_0\ is\ 20[\mu Pa].$