Special Problem 2.7-3

Homer S. constructed the following circuit in his garage.

He determined that the **3dB frequency (f_{3dB})** of this circuit is **1 MHz** -- exactly the bandwidth he wanted.

In order to generate more gain, Homer now decides to **change** the value of R_2 to **R_2 = 19K..**

1) What is the **new 3dB frequency** Homer's circuit (i.e., when R_2 = 19 K)?

2) (optional, no credit) What did Homer **say** when he measured this new 3dB frequency?