A spin system consists of two adjacent CH$_2$ groups (known as an A$_2$B$_2$ system). The line list for the two signals is as follows:

δ**1.00 (t, 2H, J = 8.0)**
δ**1.20 (t, 2H, J = 8.0)**

Using graph paper and a ruler (or any appropriate drawing software), show how the spin system would appear on a **60 MHz** instrument, a **100 MHz** instrument and a **400 MHz** instrument. Use vertical lines of appropriate relative height to show peaks.