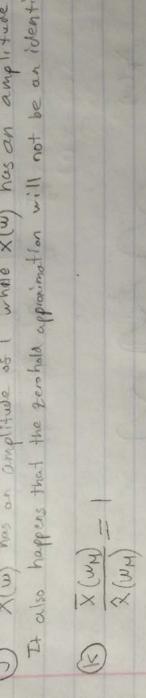
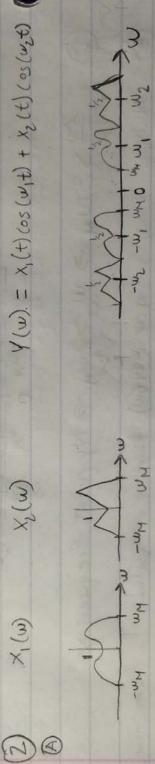


It also happens that the zerohold approximation will not be an identical copy. while X(w) has an amplitude of X(w) has an amplifule as





" -w_2 w_-w_2 0 -w_2-w_1 w_2 -W_2-W, -W, -W_2+W, O W_2-W, W_2 W_2+W, © We sample at a high enough frequency (72Wc) that we pick up the signal completely, we then apply on ideal low pass filter with amplitude 2. This silter has a frequency spectrum between - WM and WM. depending on which one we want to pickup we multiply y(t) by either cos (w, t) or cos (w, t) respectively and apply the Silter.