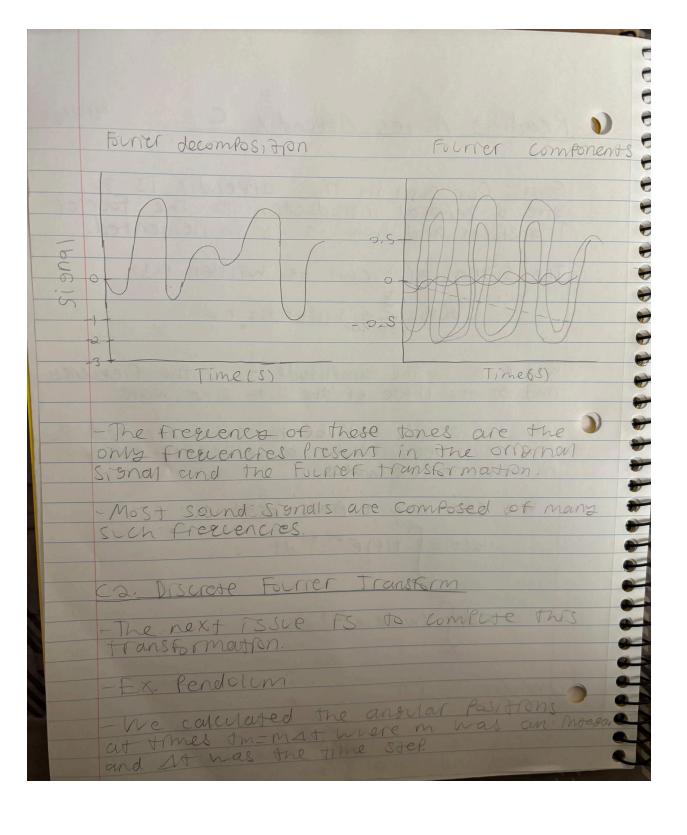
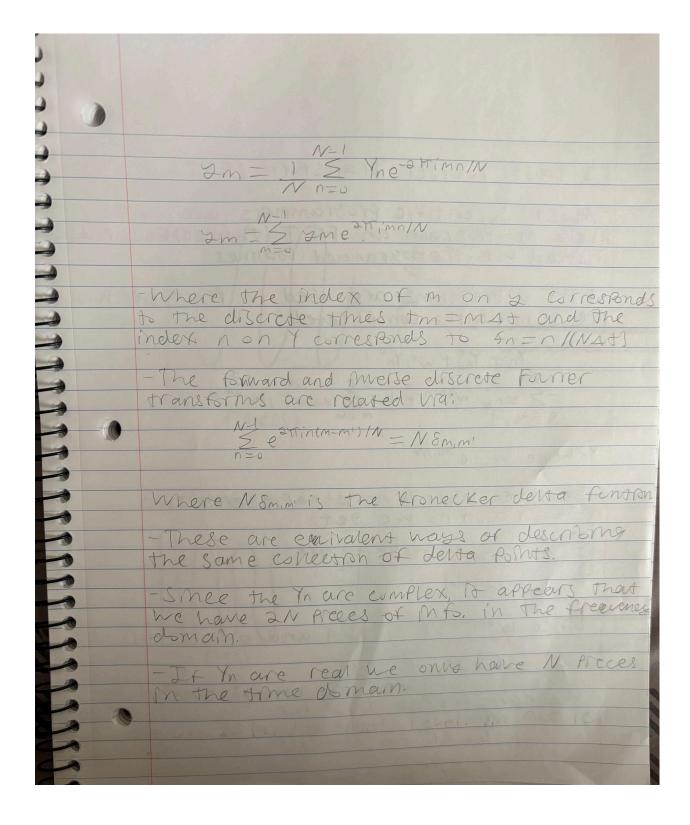
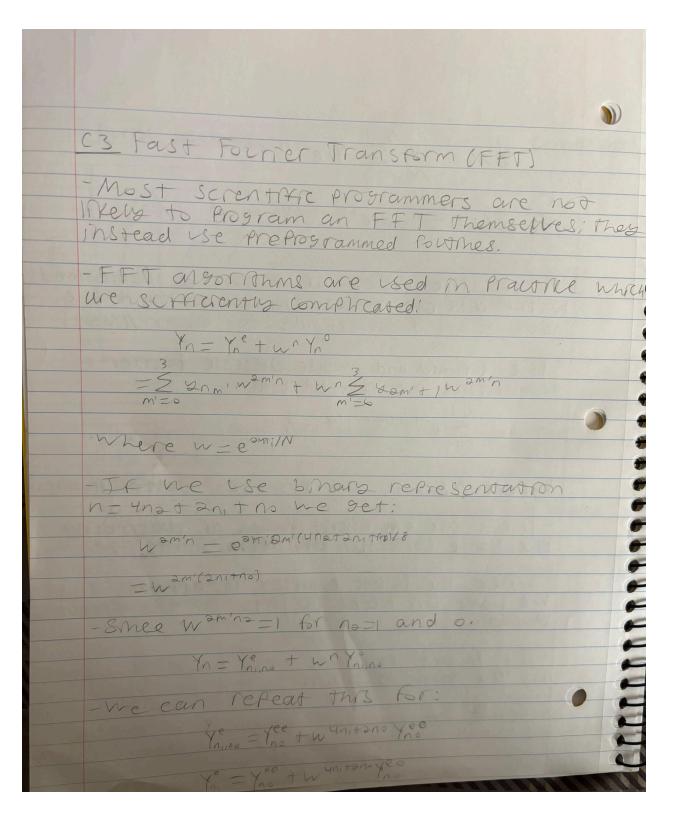
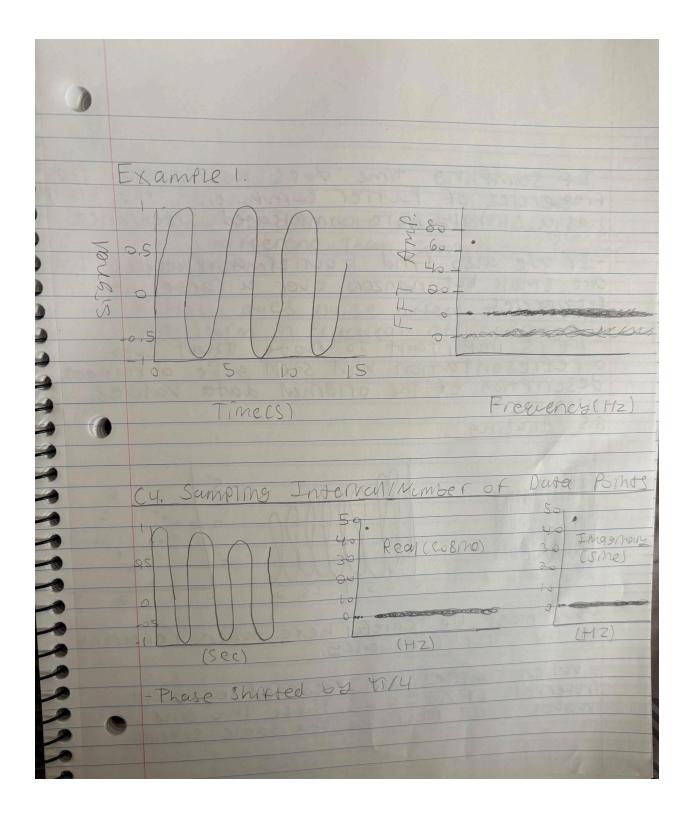
Reading Notes Affendix C 4/9/28 Goal: Our soal in this appendix is to give a general introduction to the fourier Transform and how It is implemented. The signal 2(t) can be written as: タイナニ をおらいにながら十十夕) where & is the complitude, fi is the frequency, and & the Phase of the lith sine wave. -Most signals win be more complicated, so the Sim may mone a larse (fernars 0) number of sine waves. - We can now express 2(+) as: Y(f) = anift df Y(W/245)e-Put du one individual sine haves.









- It sampling time does not match the frequencies of Former components, the FFT has a stightly more complicated appearance. - If we also find Former amplitudes that are 8 men but nonzers over a range of frequences. - It is important to note that such a refresentation was some a ferfect description of the original data values. 6.5 Arusing ********* - We must be careful here when referring to the "true" frequency. When samples are recorded only at intervals of At = 0.25, these the same stones.

avestions: 1. How is discrete fourier transform (DFT) different than continuous fourier transform? 2. How does notse affect the former transform in Praetical applications?