Pre lab I FF23I dynthia Li

Q1.  $do(t)=\sin(2\pi (941)t) + \sin(2\pi (1336)t)$   $= \frac{1}{3}(e^{941}wot - e^{941}wot) + \frac{1}{3}(e^{1336}wot - e^{1336}wot)$   $= \frac{1}{3}(e^{941}wot - e^{941}wot) + \frac{1}{3}(e^{1336}wot - e^{1336}wot)$ a) For k=941,-941, 1336, -1336, coefficient is non-zero. b). For sin(22(1336)t), f= = 941 Hz
For sin(22(1336)t), f= = 1336Hz C) 8000 = 1,9531X > 941 = 481.79> 684.032 ≈ 684 Hz Q. tone freqs = np. array ([[941, 1336], [697, 1209], [697, 1336], [697, 1477], [770, 1209], [770, 1336], [770, 1477], [852, 1209], [812, 1336]. [252, 14777])