

Lab 2 part B

1. If first 20% of elements are used, then only the low frequencies come through, and it's barely understandable
2. If the sin terms are negated, then it's reverses the audio, because sin is the anti-symmetric part, while cos is already symmetric, this basically makes the signal $f(t) = f(-t)$
3. If cosine terms are zero, still legible, but hard to understand with extra noise because the signal has to be symmetric which makes it have artifacts