

1. Describe 'aliasing' in two sentences
2. Choose an argument x for $\cos x$:
 - What is the minimum (Nyquist) sample rate necessary to accurately reconstruct this function?
 - Choose a sample rate **below** the Nyquist limit and plot:
 - $\cos x$
 - the sample points for your selected sampling criterion
 - the resulting cosine function reconstructed from your selected samples - this will be an aliased representation of $\cos x$
3. Brasspup has a fun demonstration of aliasing in video:

https://www.youtube.com/watch?v=uENITui5_jU