The "spectrum" diagran gives the frequency content of a signal.
(a) Draw a sketch of the spectrum of $x(t)$ which is "sine-cubed"

$$
x(t)=\sin ^{3}(400 \pi t)
$$

Label the frequencies and complex amplitudes of each component.
(b) Determine the minimum sampling rate that can be used to sample $x(t)$ without any aliasing.

