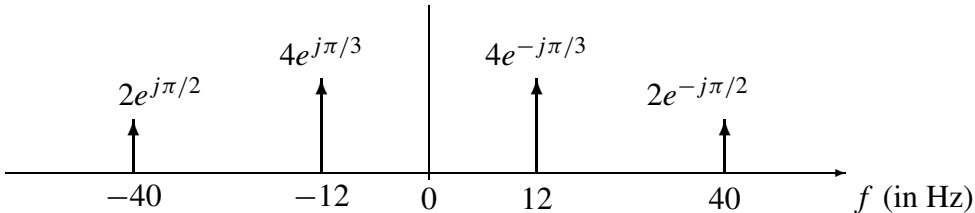


PROBLEM:

A signal $x(t)$ has the two-sided spectrum representation shown below.



- Write an equation for $x(t)$. Make sure to express $x(t)$ as a real-valued signal.
- Is $x(t)$ a periodic signal? If so, what is its period?
- Determine the minimum sampling rate that can be used to sample $x(t)$ without any aliasing.