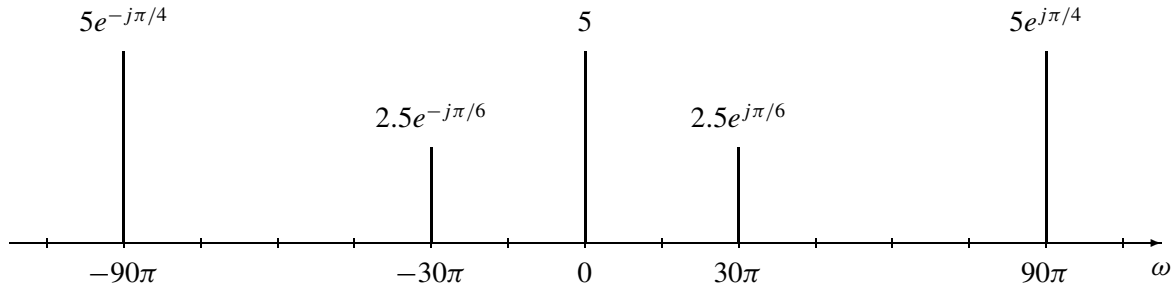


PROBLEM:

The spectrum of a signal $x(t)$ is shown in the following figure:



Note that the frequency axis is radian frequency (ω) *not* cyclic frequency (f).

- Write an equation for $x(t)$ in terms of cosine functions.
- This signal is periodic. What is the fundamental frequency and the corresponding period of $x(t)$?