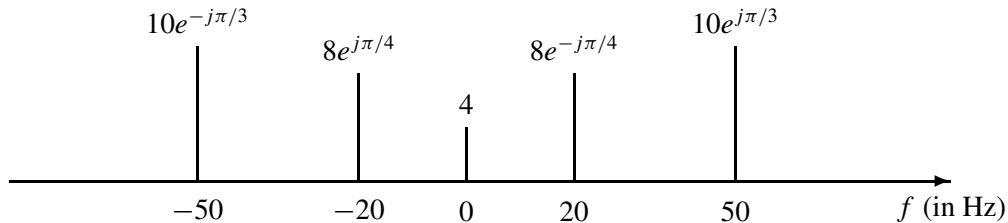## PROBLEM:

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

(a) In the above plot, circle the spectral components that correspond to rotating complex phasors that rotate in the clock-wise direction.

(b) Write an equation for $x(t)$ as a sum of complex rotating phasors. (These phasors may rotate clockwise, counter-clockwise or not at all.)

(c) Write an equation for $x(t)$ as a sum of real functions.

(d) Is the signal $x(t)$ periodic? If so, what is the period?