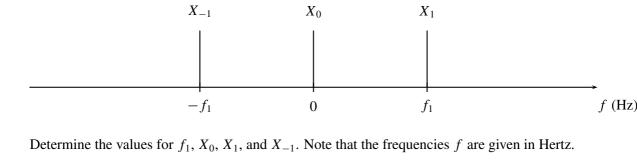
PROBLEM:

In each of the following parts, two different representations for a signal are given. Find the values of the parameters in the second representation so that the two representations are equivalent.

(a) A signal x(t) is given by $x(t) = 5\cos(350\pi t - \pi/7)$, and its spectrum has the form



Therefore, the signal has the form

A =

 $x(t) = A\cos(2\pi f_0(t - t_0))$

$$A = f$$
 and t

Determine the values for A, f_0 , and t_0 ,

$$t_0 =$$

 $f_0 =$