PROBLEM:

Define $x(t)$ as

$$x(t) = 4\cos(29\pi t + \pi/3) - 5\cos(29\pi t + 8\pi/3) - 6\cos(29\pi t + 18\pi/3)$$

(a) Express $x(t)$ in the form $x(t) = A\cos(\omega_0 t + \phi)$ by finding the numerical values of A and ϕ.

(b) Plot all the phasors used to solve the problem in part (a) in the complex plane. Show the vector addition.