PROBLEM:

Define $x(t)$ as

$$x(t) = 2\cos(\omega_0 t - 3\pi/2) + 3\cos(\omega_0 t - \pi/4)$$

(a) Express $x(t)$ in the form $x(t) = A\cos(\omega_0 t + \phi)$

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