PROBLEM:

 $x(t) = \Re\{e^{j\theta(t)}\} = \cos(2\pi(\alpha t^2 + \beta t + \phi))$

(b) Make a plot of the (instantaneous) frequency versus time over the range 0 < t < 3 sec.

and end at 800 Hz over the time interval 0 < t < 3 seconds.

(a) Determine values for α , β , and ϕ , so that the instantaneous frequency of x(t) will start at 3800 Hz