Determine the period (in seconds) and the frequency in (in both Hertz and radians per second) for the following:

- $\cos(7t - 0.5)$
- $\cos(12\pi t - \pi/4)$

Express the following as sums of complex exponentials

- $4\cos(5\pi t - \pi/5)$
- $3\cos(2\pi t + \pi/7)$

Express the following as cosines

- $(1 - 2j)e^{j3t} + (1 + 2j)e^{-j3t}$
- $4e^{-j5\pi t} + 4e^{j5\pi t}$

Determine (or estimate) the function equation: