Time Domain and Frequency Domain
for Signals

Time Domain

\[ f(t) = 7 \cos(10t + 35^\circ) + 3 \cos(20t - 90^\circ) \]

Frequency Domain

Ampl. \[ \omega \]

Phase \[ \omega \]

Ampl.

\[ \frac{\pi}{2} \]

\[ 150 \quad 300 \quad \text{rad/s} \]

Phase

\[ 0^\circ \quad 180^\circ \]

\[ 150 \quad 300 \]

What frequency components will be required
for the following periodic time signal?

Period = ___