

## PROBLEM:

The waveform in the following figure can be expressed as

$$x(t) = A \cos[\omega_0(t - t_m)] = A \cos(\omega_0 t + \phi) = A \cos(2\pi f_0 t + \phi)$$

From the waveform, determine  $A$ ,  $\omega_0$ ,  $t_m$ , and  $\phi$ . Choose the value of  $\phi$  such that  $-\pi < \phi \leq \pi$ .

