The waveform in the following figure can be expressed as

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

From the waveform, determine A, ω_0, f_0, t_d, and ϕ. Choose the value of ϕ such that $-\pi < \phi \le \pi$.

Sinusoidal Signal: $x(t) = A\cos(\omega\,t + \phi)$