

Let's break down the steps for the given questions:

1. Plot the signal $x(t)$: This is a time-reversed signal, which flips the signal about the vertical axis ($t = 0$).

Period and Frequency of Periodic Signals

For this part, I will need the mathematical forms of the periodic signals you're referring to. Could you provide these so that I can help you determine their period and frequency?

Signal Period Calculation

A sinusoidal signal completes 80,000 cycles in one minute.

The frequency of a signal is defined as the number of cycles per second (in Hertz, Hz).

You are asked to plot two transformations of this signal:

- a. Plot the signal $x(t - 1)$: This represents a time-shifted signal.

To generate these plots, I'd need the mathematical form of the signal $x(t)$.

- b. The frequency f is 2.3 kHz.