Program: BTECH (Electrical)
Semester – Spring 2018

ETCA-252 Circuit Analysis-II

Assignment – 1   **Due Date: 06/04/2018**
Marks: 15   **Handout Date: 28/03/2018**

Question # 1:

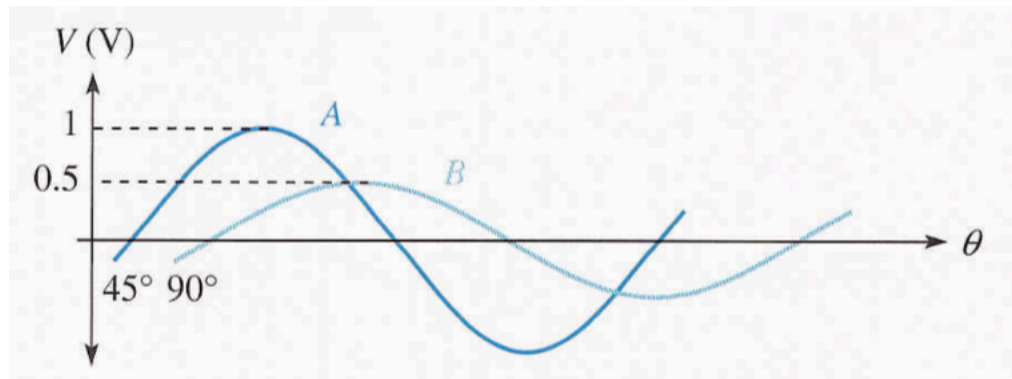Find the amplitude, phase, period and the frequency of the sinusoid:
$$v(t) = 12\cos(50t + 10°)$$

Question # 2:

Make a sketch of two sine waves as follows: sine wave A is the reference
and sine wave B lags A by 90°. Both have equal amplitudes.

Question # 3:

Determine the value of sine wave A in figure below at $30\mu s$, measured
from the positive-going zero crossing. Assume the frequency is 5kHz.

Good Luck