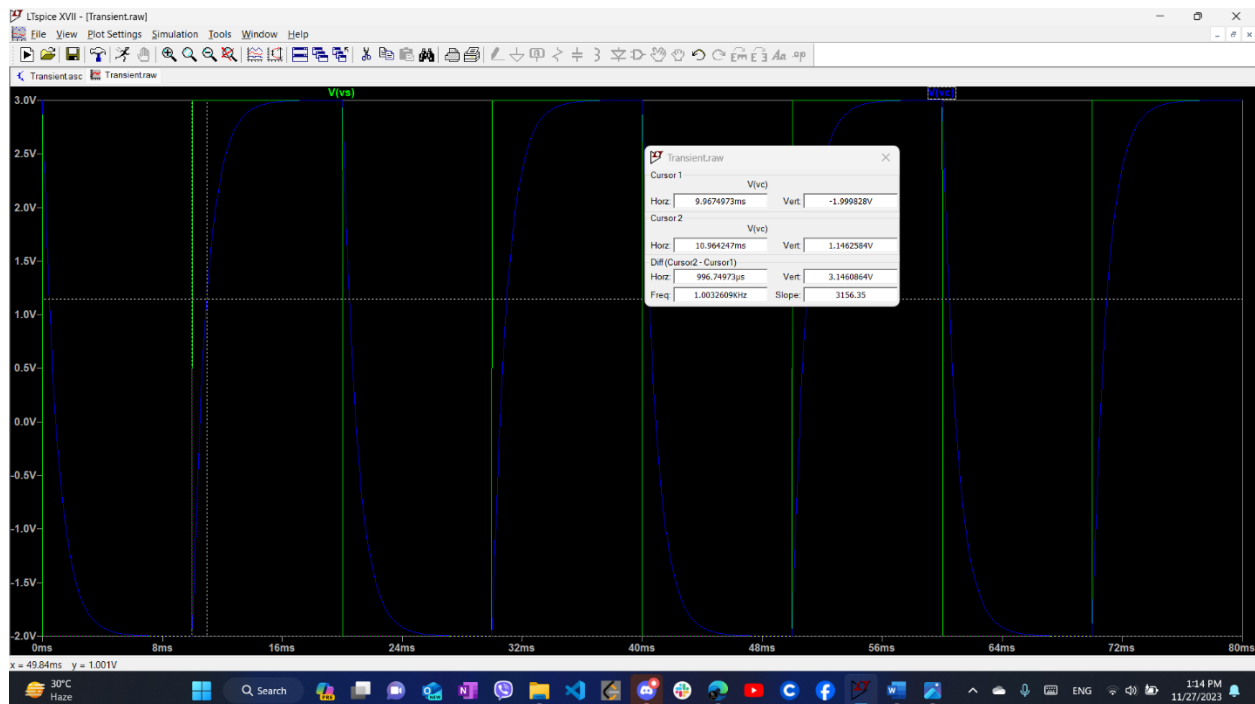
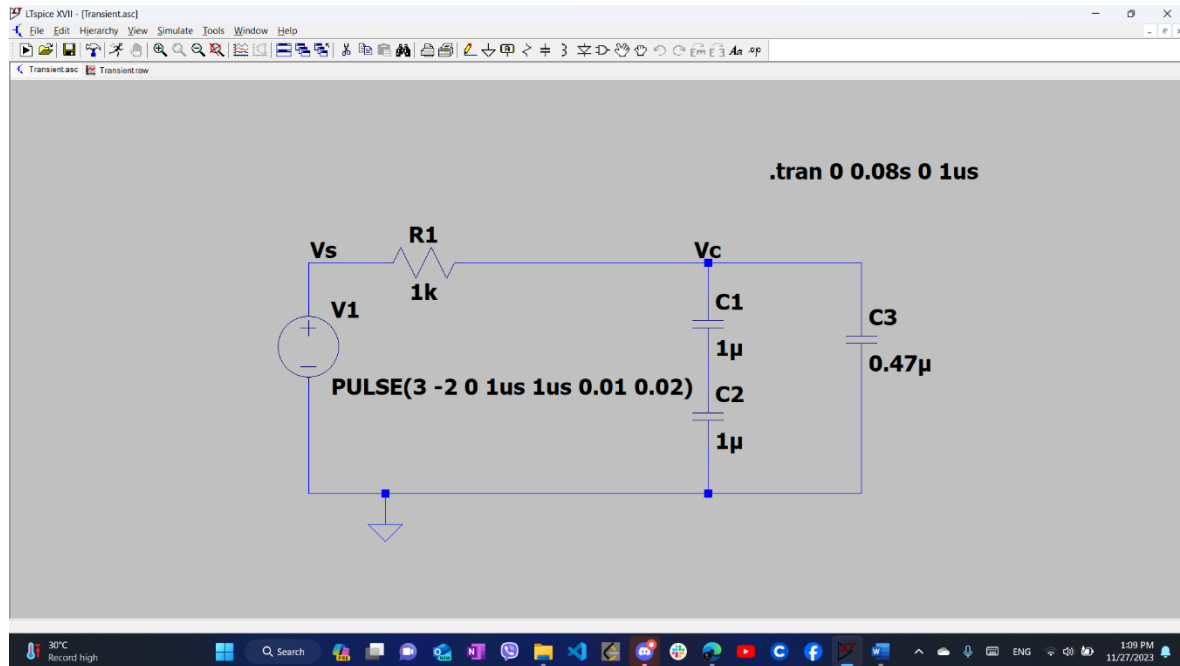


Lab 08

From the given circuit,

$$5\tau = 5 \cdot R \cdot C = 4.85\text{ms}$$

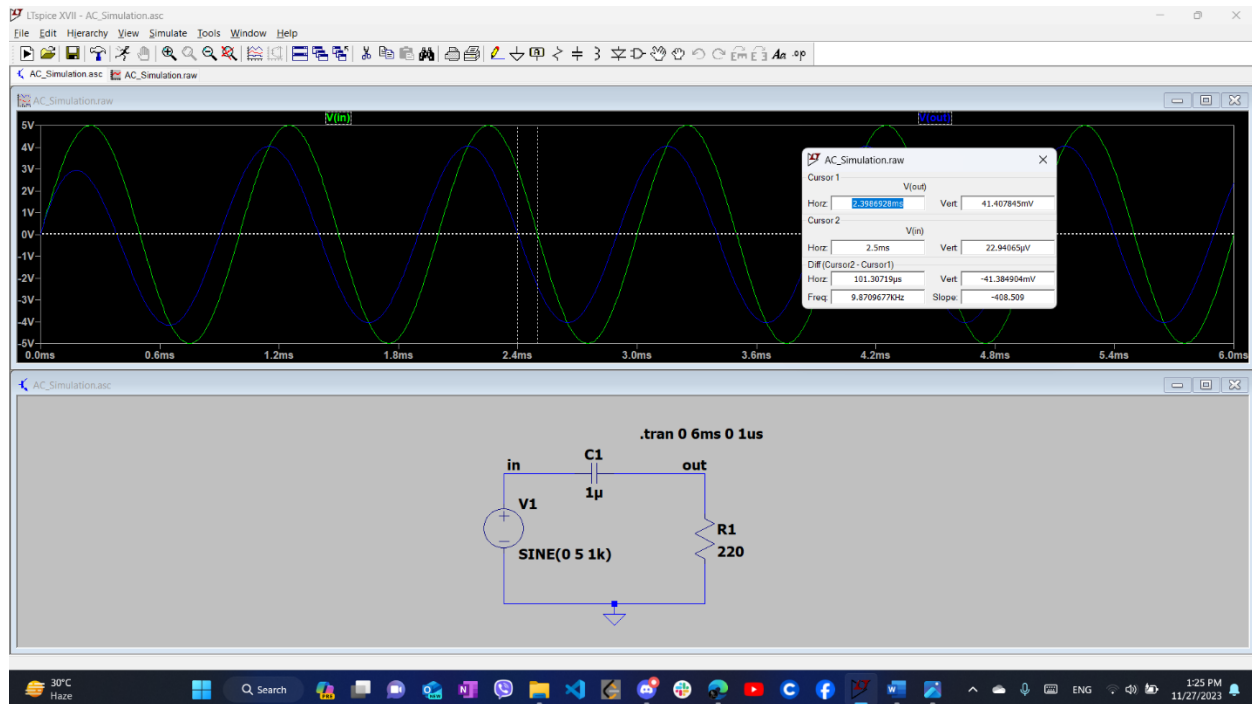


$$t = 996.749\mu\text{s}$$

$$5\tau = 4.983\text{ms}$$

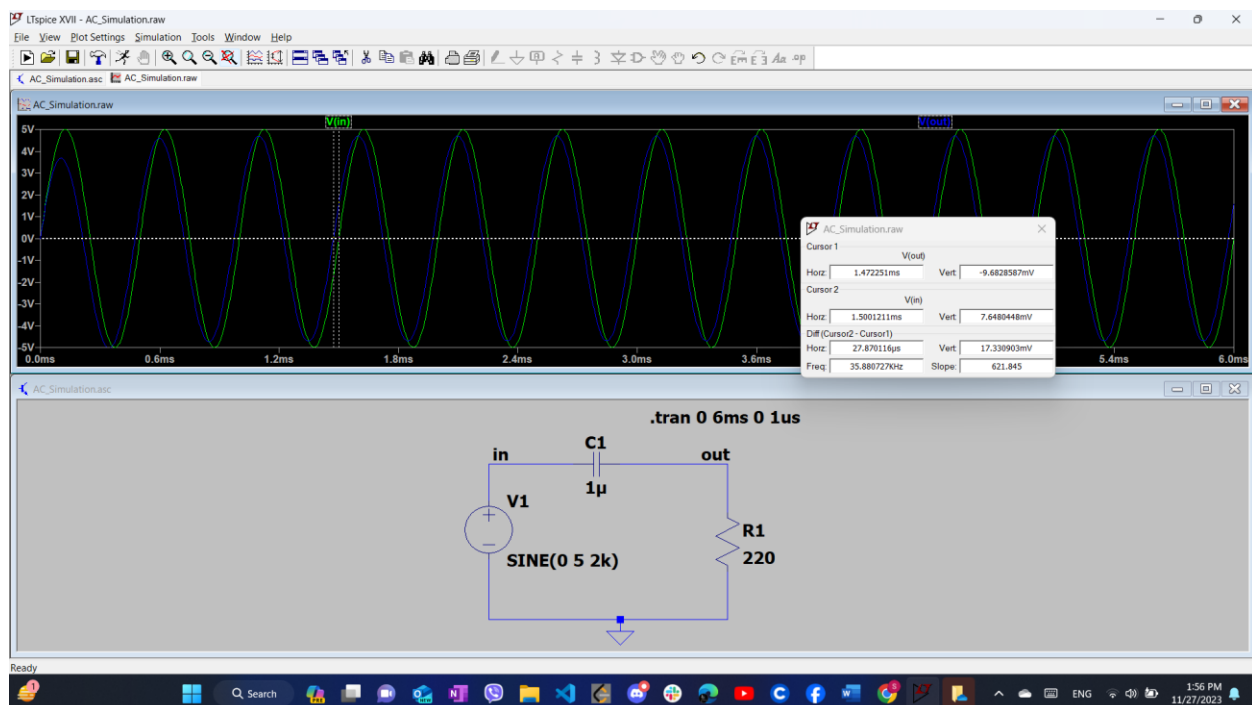
Lab 09

For 1kHz



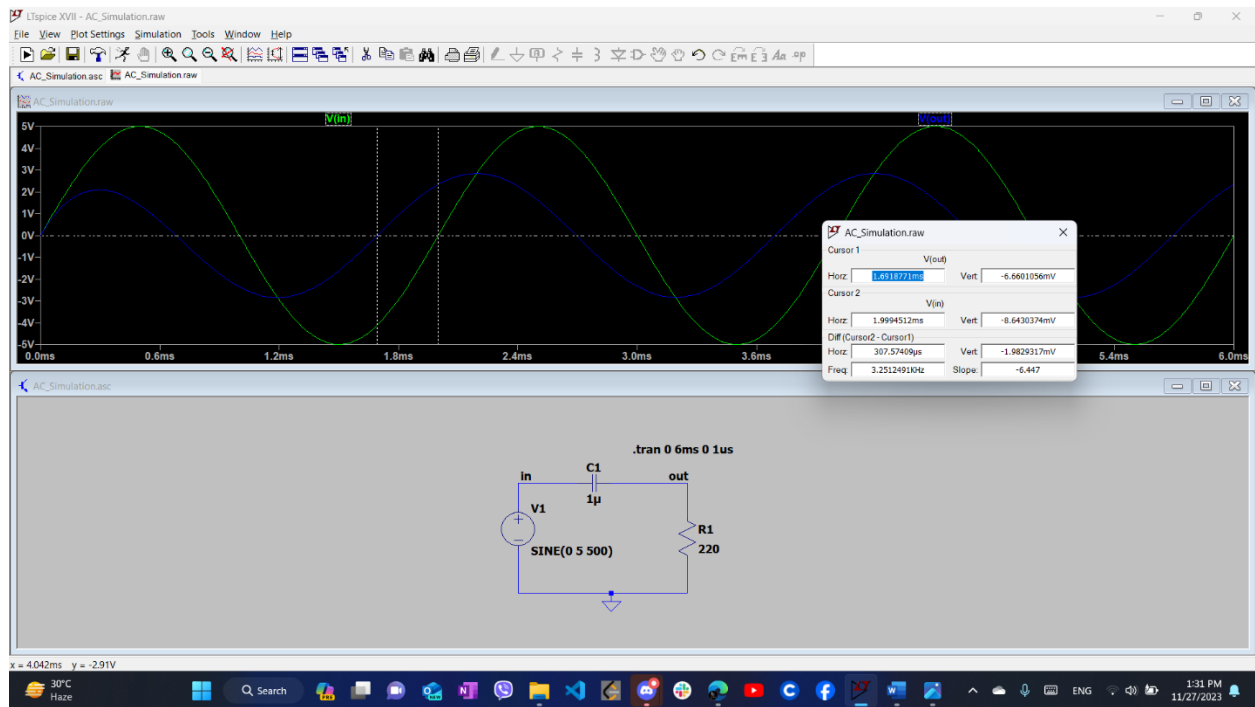
Phase Difference = 36.47052 degree

For 2k Hz



Phase Difference = 20.06648 degree

For 500 Hz



Phase Difference = 55.3633 degree