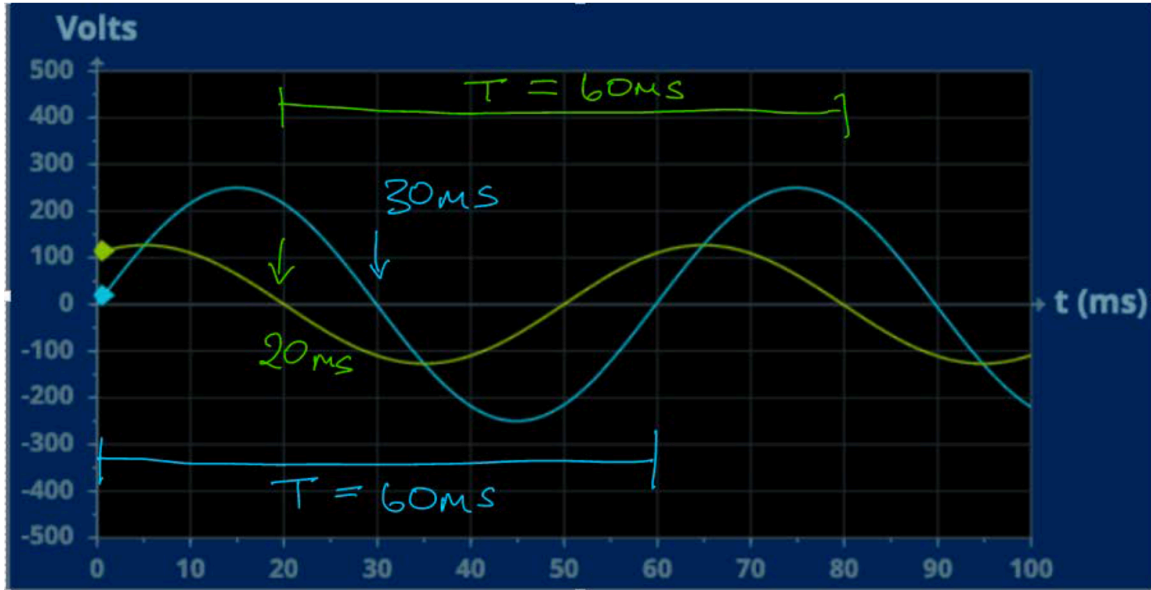


# 1 More Relative Phases

The following voltage traces are observed on an oscilloscope:



- (a) What is the cyclic frequency and the angular frequency of the blue trace
- (b) What is the cyclic frequency and the angular frequency of the yellow trace?
- (c) Considering the blue signal as the “reference”, is the yellow trace ahead or behind? Why?
- (d) What is the phase of the yellow trace *relative to the blue trace* (i) in seconds, (ii) in cycles, (iii) in radians? Include the sign.