

Quiz 3

May 16, 2025

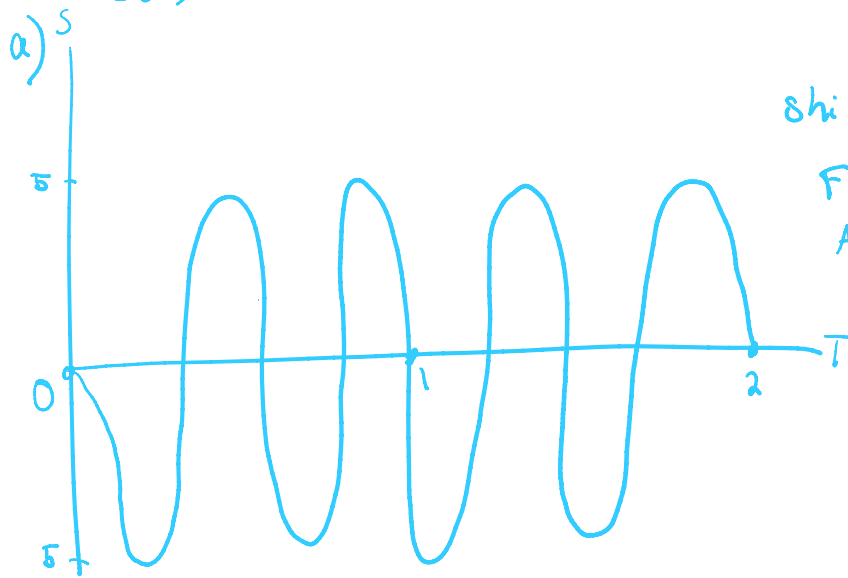
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$$1) \quad s(t) = A \sin(2\pi ft + \theta)$$

$$A = 5V, \quad f = 2 \text{ Hz}, \quad \theta = \pi$$

$$s(t) = 5 \sin(2\pi 2t + \pi)$$

$$\sin \pi \rightarrow \sin 2\pi$$



shift by $\pi/180$

Freq by 2

Amp by 5

$$b) \quad T = \frac{1}{f}$$

$$T = \frac{1}{2} \text{ s}$$