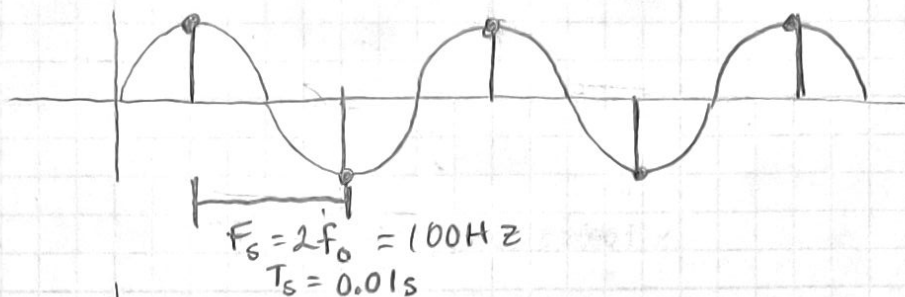


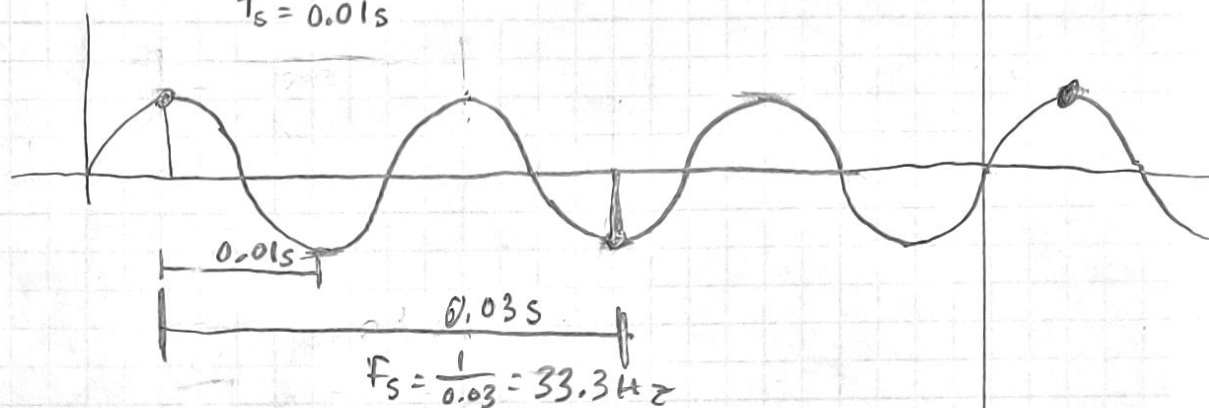
4.2-12)

$$x_c = \cos(100\pi t) \Rightarrow f_0 = 50 \text{ Hz}$$

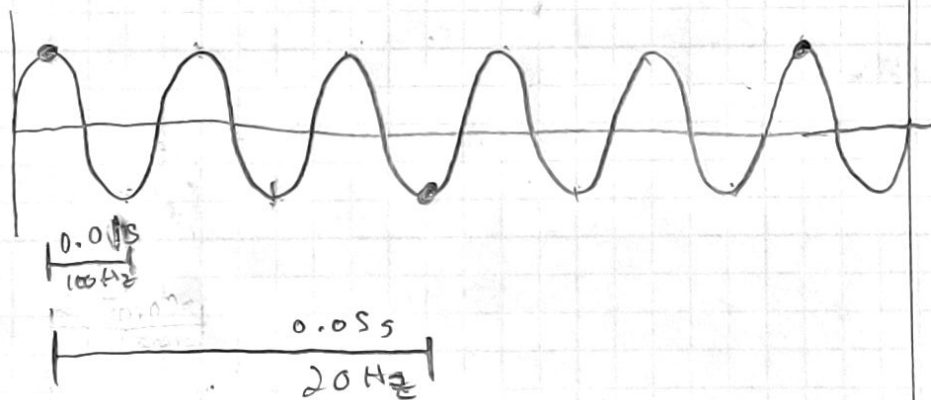
$$x[n] = \cos(\pi n)$$



or



or



$$F_s = \frac{100}{2n-1} \quad \text{where } n = 1, 2, 3, \dots$$

Top 3 F_s

1. 100 Hz
2. 33.3 Hz
3. 20 Hz