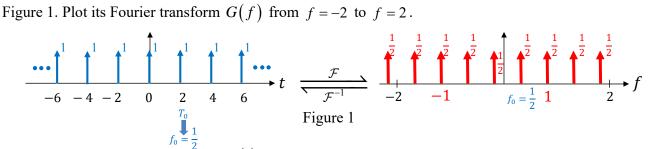
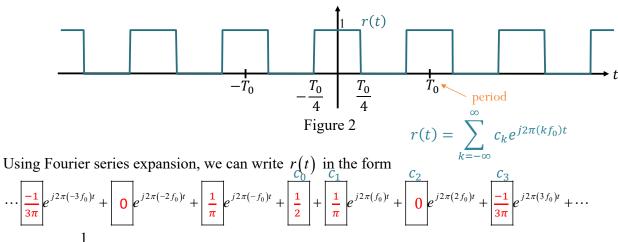
## Instructions

- Separate into groups of no more than three students each.
- Explanation is not required for this exercise [ENRE] 2
- 3. Do not panic.
- 1. Consider the impulse train g(t) shown on the left in

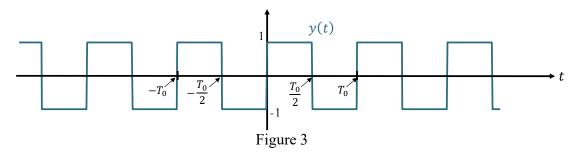


2. Consider the rectangular pulse train r(t) shown in Figure 2.



where  $f_0 = \frac{1}{T_0}$ . Write the appropriate Fourier coefficients in the boxes above.

3. Consider the rectangular pulse train y(t) shown in Figure 3.



Compare with Figure 1. Observe that  $y(t) = \alpha + \beta r(t - \gamma T_0)$ . Find the constants  $\alpha$ ,  $\beta$ , and  $\gamma$ .

 $\alpha = -1$  ,  $\beta = 2$  ,  $\gamma = 1/4$ 

Date: <u>1</u> <u>1</u> / <u>1</u> <u>0</u> / 2019				
Name	]	ID (last 3 digits)		
Prapun		5	5	5