



# UNITED INTERNATIONAL UNIVERSITY (UIU)

Dept. of Computer Science & Engineering

Trimester: Summer 2024 (Assignment 1)

Course No: EEE 2113 Course Title: Electrical circuits

1. Find the equivalent resistance  $R$  between a and b. (4)

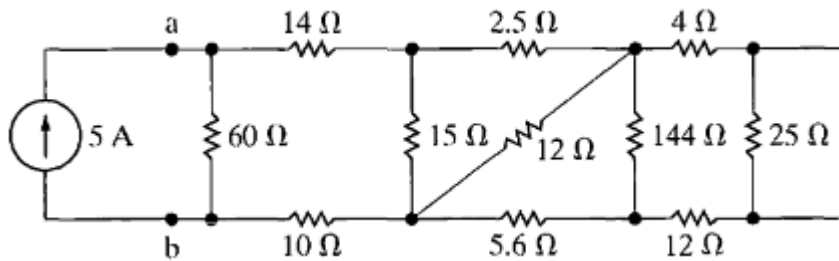
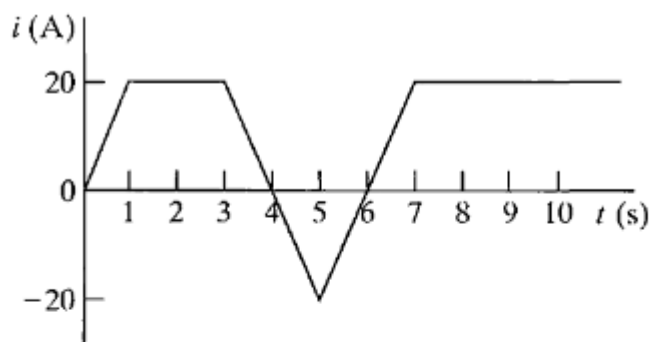
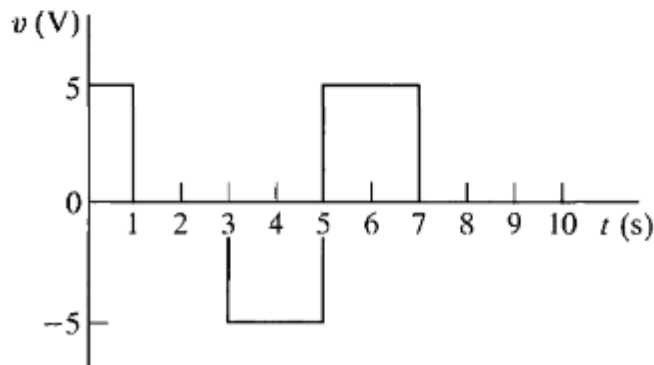


Figure 1

2. The voltage and current of an circuit element are shown in Fig 2



(a)



(b)

Figure 2

- a. Sketch the power versus  $t$  plot for  $0 \leq t \leq 10$  s (3)  
 b. Calculate the energy delivered at  $t = 1, 6$ , and  $10$  s. (3)