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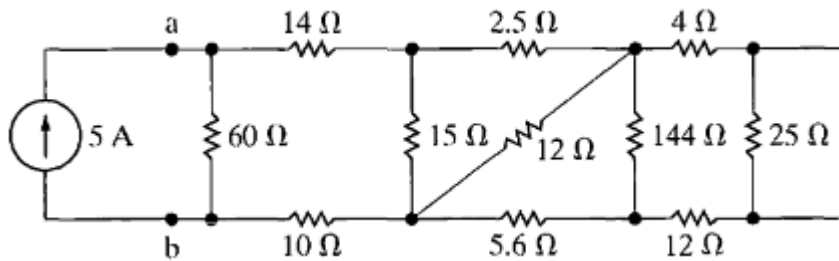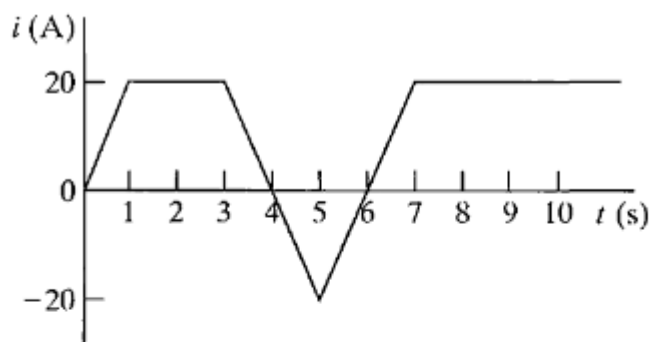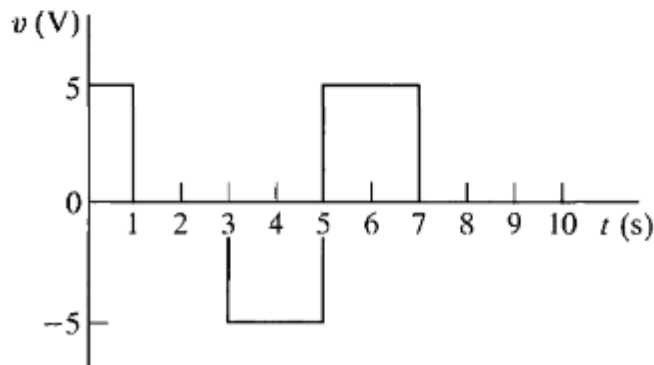

Figure 1

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)