**Chapter 1 The basic circuit and Laws**

**Ex1.1** The graph in the figure 1 shows charge flowing past in a wire as a fuction of time.

1. Find the current at t=1, 2.5, 4.5, and 5.5ms.
2. Sketch the variation of versus time.

Hint: 1. 2. the unit pC (picocoulomb) equals Coulomb.

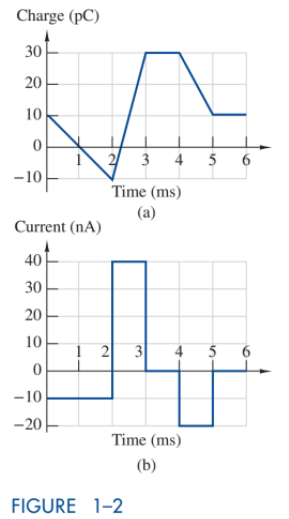


Figure 1

**Ex1.2** Find the power absorbed by each of the elements in Figure 2.

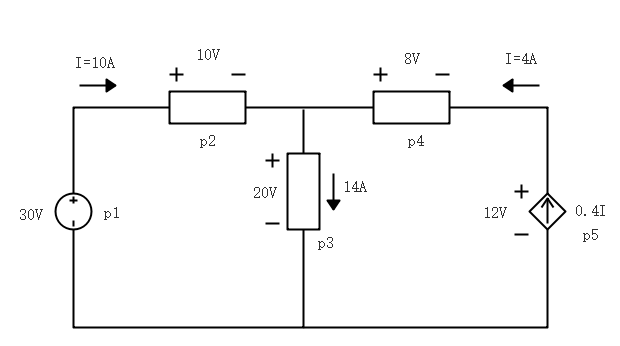


Figure 2