

Student Name: (redacted)  
 time allowed: 1 h

Student Number: (redacted)

Seat #: (redacted)

Problem 1: [6 pts] In the circuit shown in Fig.1.a

- (a) Draw the  $v(t)$  and  $p(t)$  for each element including the source in the Fig.1.b  
 (b) From (a) determine the peak, minimum and average power absorbed by each element.

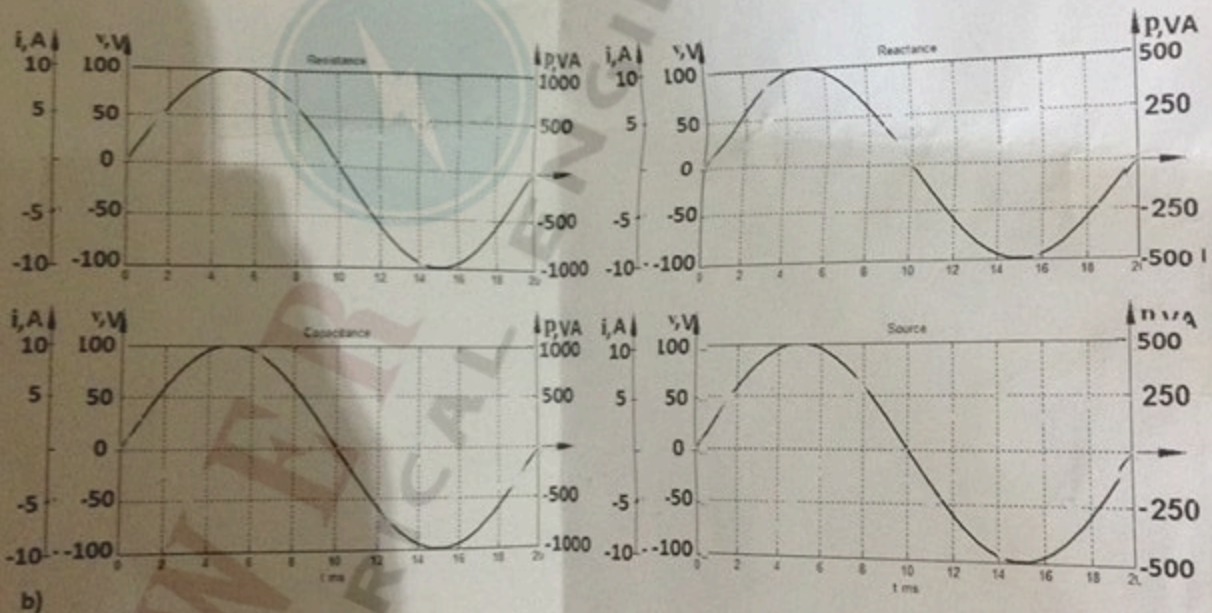
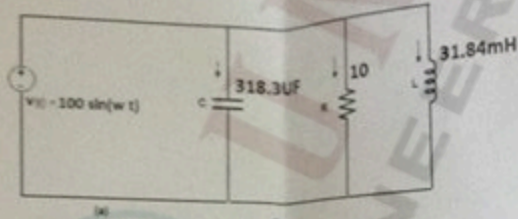


Figure 1