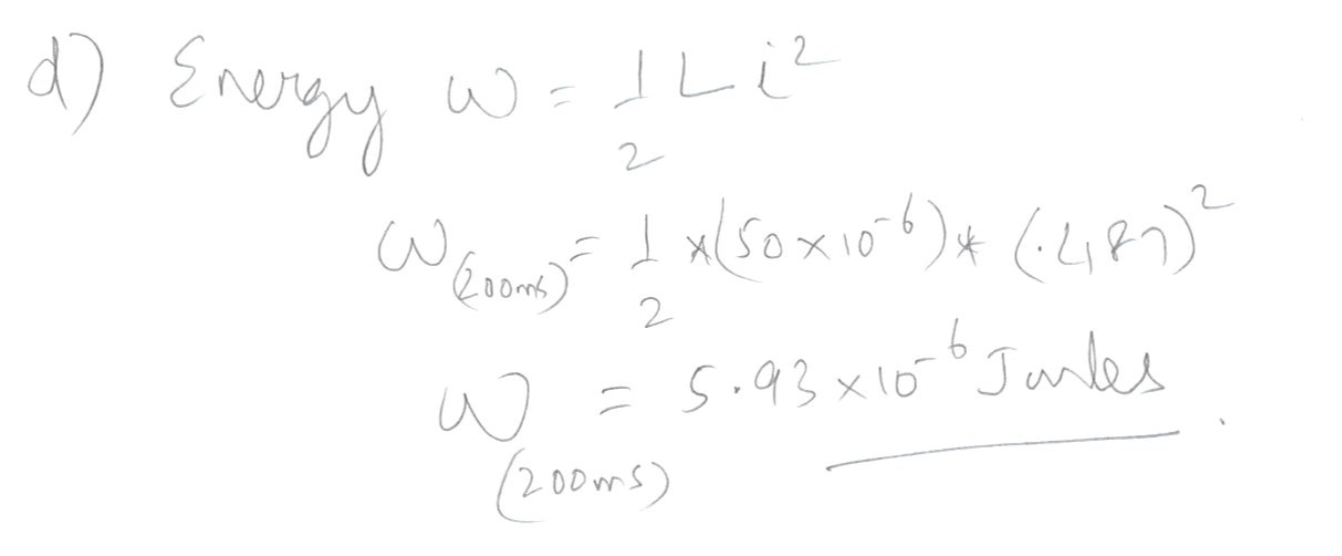
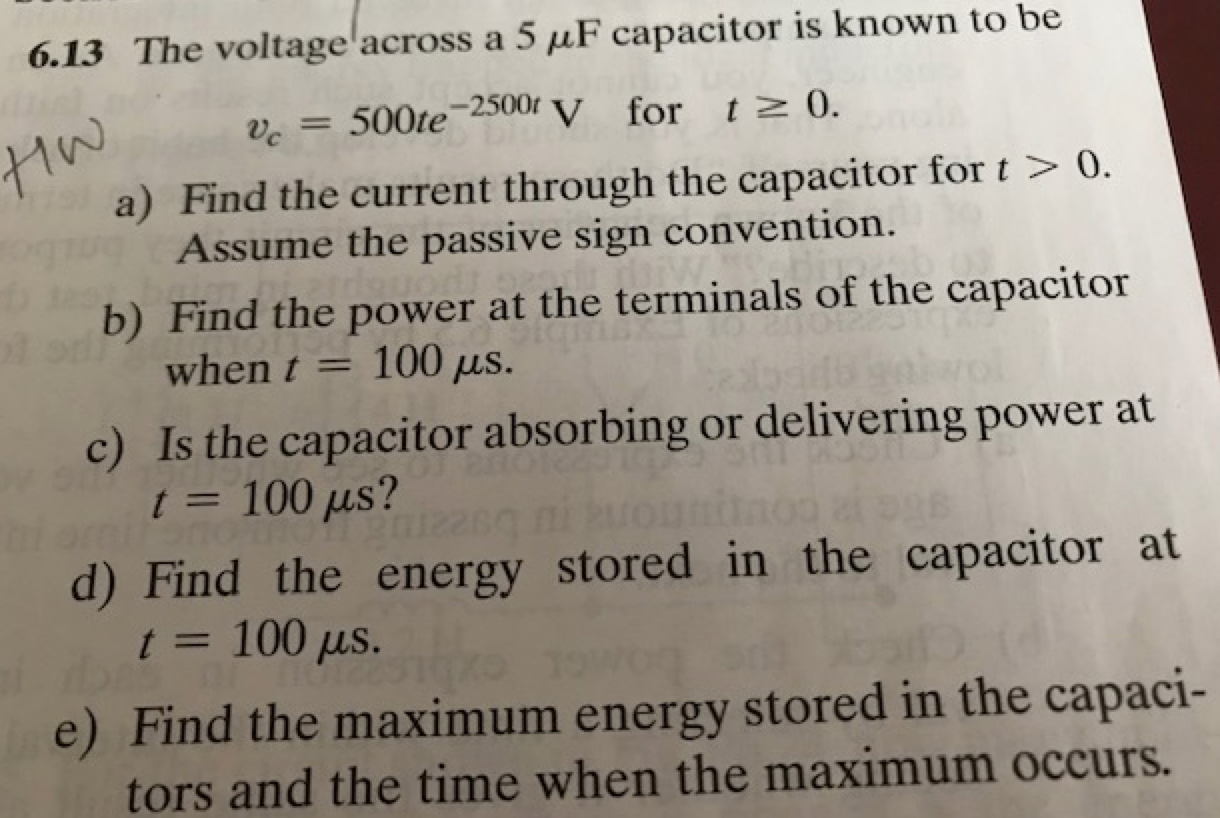


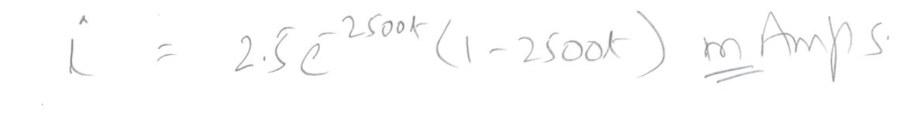
Solution:

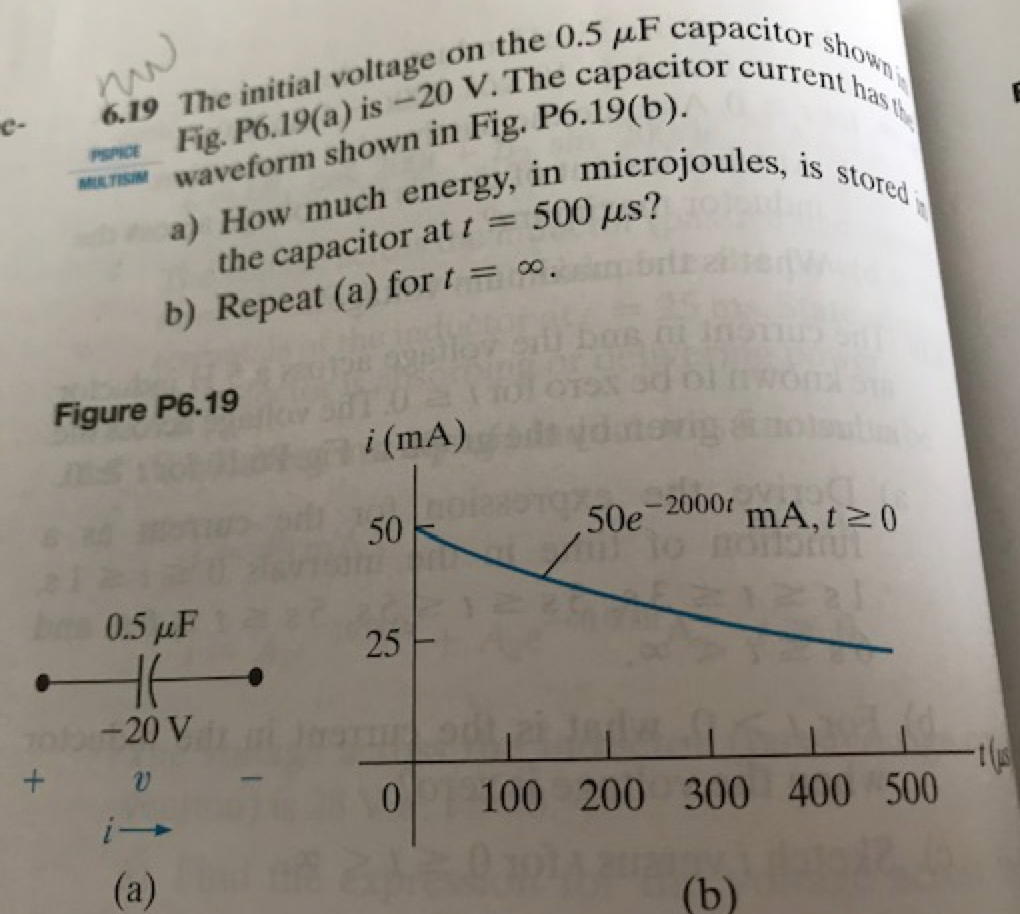


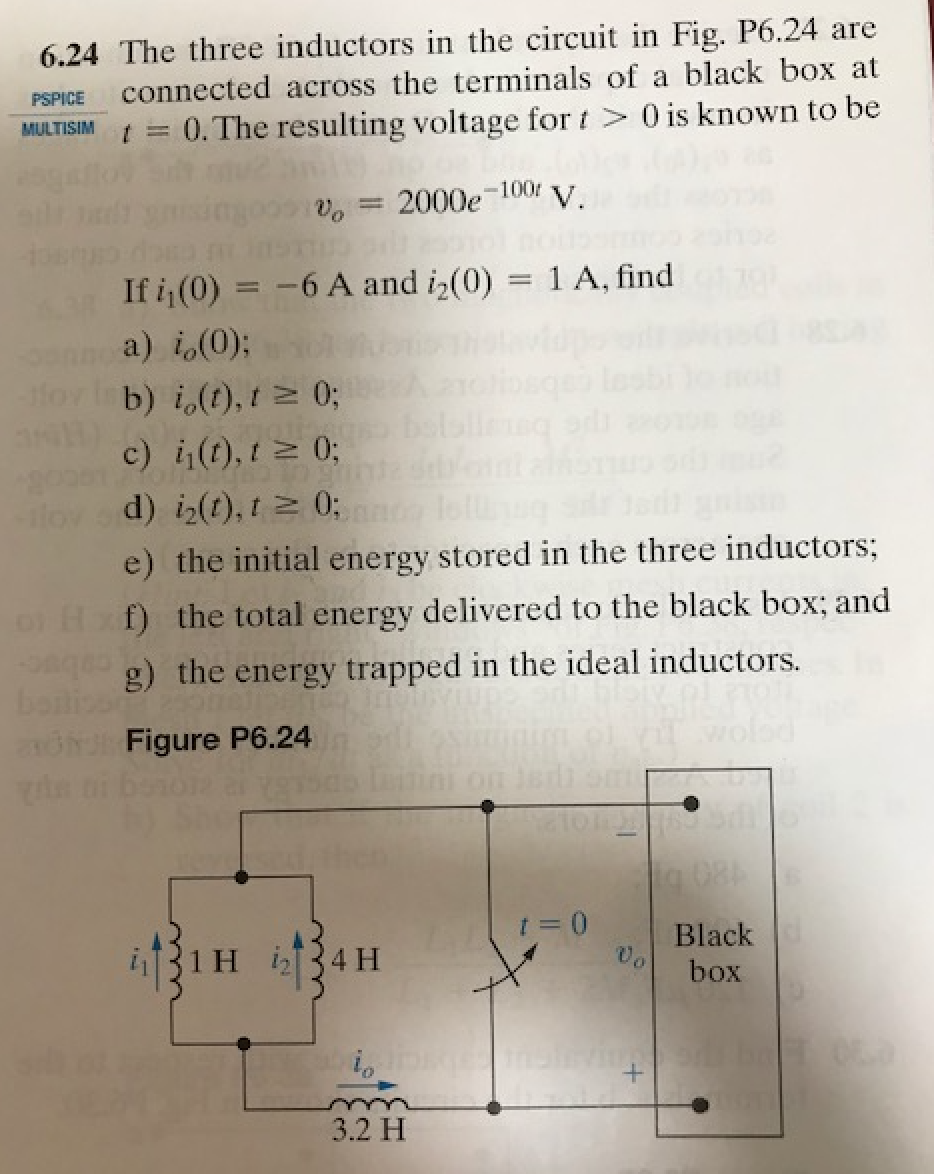


Solution:

Part a)

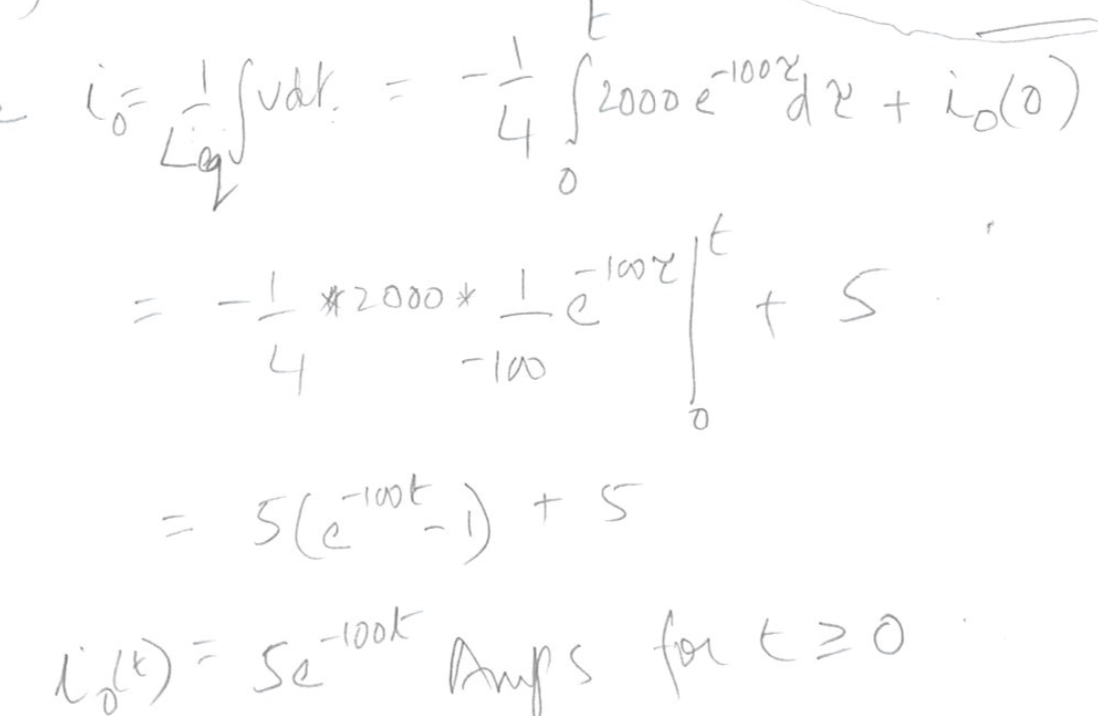




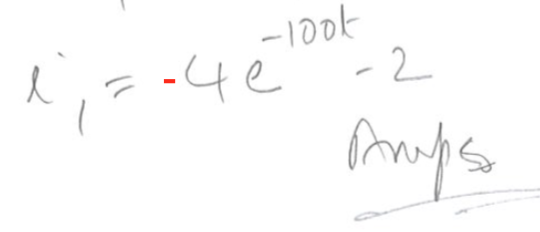


Solution:

Part b)



Part c)



Part g)

