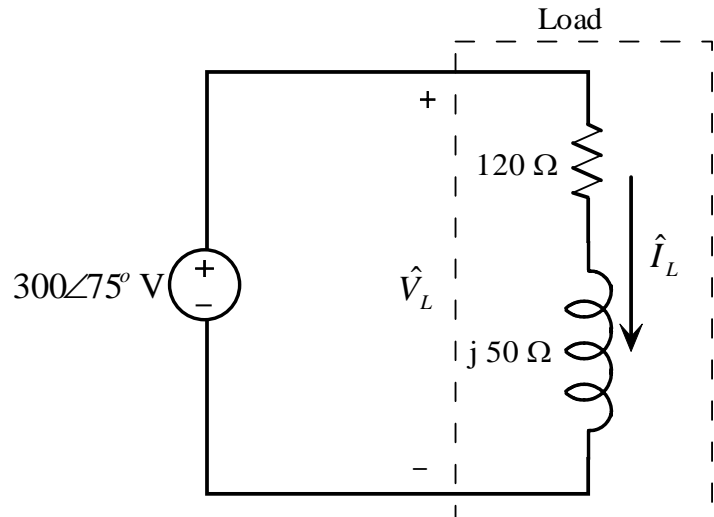


KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS  
ELECTRICAL ENGINEERING DEPARTMENT  
EE 201 (071)  
Quiz # 7

Name: \_\_\_\_\_  
ID#: \_\_\_\_\_  
Section No: \_\_\_\_\_

For the shown circuit find the following:

- a) The load voltage in rms (phasor)
- b) The load current in rms (phasor)
- c) The complex power of the load
- d) The average power of the load
- e) The reactive power of the load
- f) The apparent power of the load
- g) The power factor of the load (state whether it is lagging or leading)
- h) The complex power of the source



Final Solutions
a)
b)
c)
d)
e)
f)
g)
h)