

Universidad de Puerto Rico
Recinto Universitario de Mayagüez
Departamento de Ingeniería Eléctrica y Computadoras

INEL 4075 Asignacion #3:

Semana de lunes 2 de febrero de 2015.

Nombre: _____

Sección: _____

1.

P2.34. The 9-V source in Figure P2.34 is delivering 27 W of power. All three resistors have the same value R . Find the value of R .

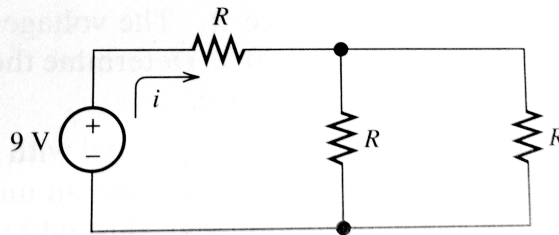


Figure P2.34

2.

***P2.47.** Write equations and solve for the node voltages shown in Figure P2.47. Then, find the value of i_1 .

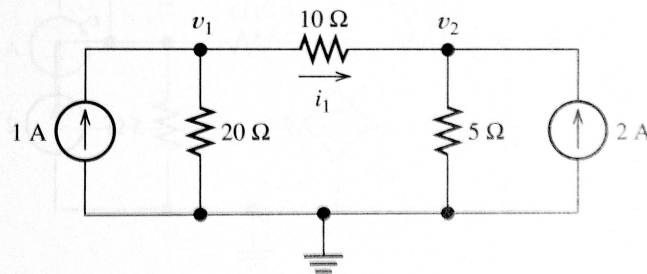


Figure P2.47

3.

P2.62. Solve for the power delivered by the voltage source in Figure P2.62, using the mesh-current method.

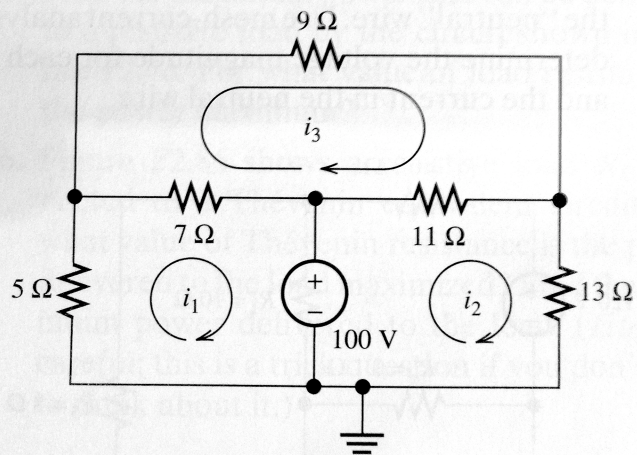


Figure P2.62