PLC Activity #3
Dependent Sources & PSpice
Due: see website for due date

How to get credit for this activity
First, sign-in at the computer and sign-out when the activity is complete. Show your work and results to a PLC tutor so they can check your work and initial the signoff sheet. Be prepared to answer questions about the activity or your results.

Problem 1
a. Predicted the voltage of the voltmeter using Simple Circuit techniques.
b. Simulate a PSpice circuit and compare the predicted and PSpice values using a percent difference. How do they compare?

![Circuit Diagram](image)

Problem 2
a. Predicted the value of the power supplied by the CCVS using Simple Circuit techniques.
b. Simulate a PSpice circuit and compare the predicted and PSpice values using a percent difference. How do they compare?

![Circuit Diagram](image)
Problem 3
a. Predicted the value of the voltage measured by the voltmeter using Simple Circuit techniques.
b. Simulate a PSpice circuit and compare the predicted and PSpice values using a percent difference. How do they compare?

![Circuit Diagram for Problem 3](image)

Problem 4
a. Predicted the gain A of the VCCS using Simple Circuit techniques.
b. Simulate a PSpice circuit and compare the predicted and PSpice values using a percent difference. How do they compare?

![Circuit Diagram for Problem 4](image)