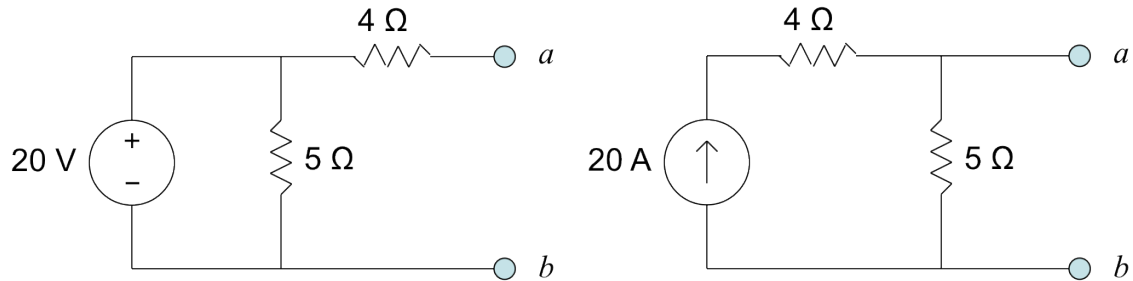


ECEn 301

Quiz #13 – Thévenin Equivalent Circuit

Name: _____



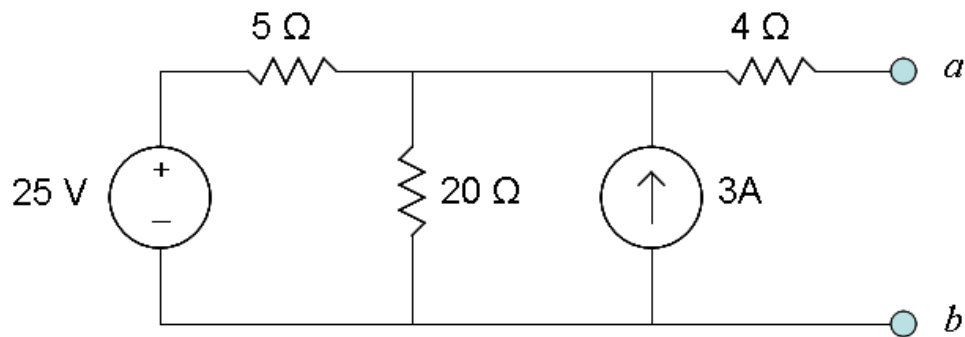
Compute the Thévenin equivalent circuits by source transformation. Show your work.

Left: $V_{th} =$ _____ $R_{th} =$ _____ (answers: 20 V, 4Ω)

Right: $V_{th} =$ _____ $R_{th} =$ _____ (answers: 100V, 5Ω)

Quiz #14 – Thévenin Equivalent Circuit

Name: _____

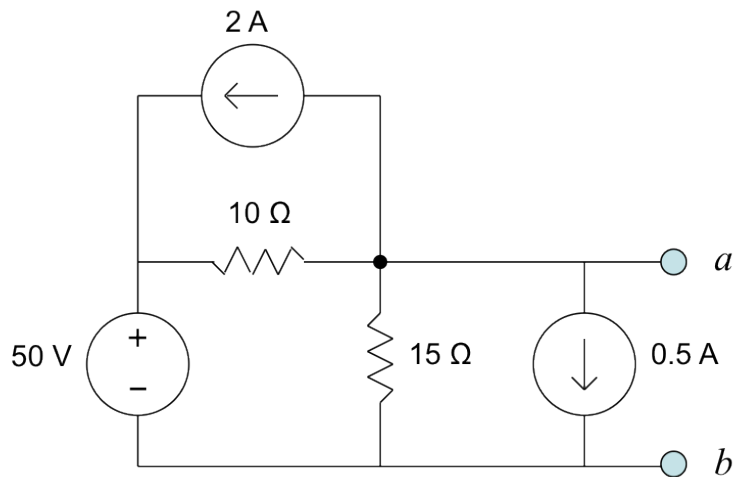


Use source-transformations to find the Thévenin equivalent circuit with respect to terminals *a* and *b*. Show your work.

$V_{th} =$ _____ $R_{th} =$ _____ (answers: 32 V, 8 Ω)

Quiz #15 –Thévenin Equivalent Circuit

Name: _____

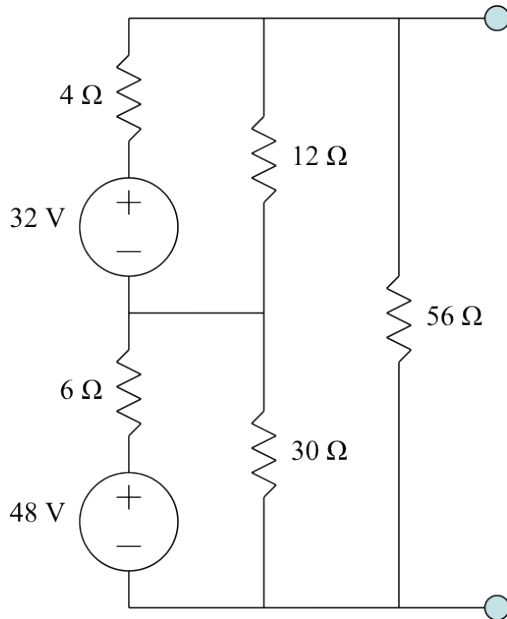


Use source transformations to find the Thévenin equivalent circuit with respect to terminals a and b . Be careful with your signs! Show your work.

$V_{th} =$ _____ $R_{th} =$ _____ (answers: 15 V, 6 Ω)

Quiz #16 –Thévenin Equivalent Circuit

Name: _____



Use source transformations to find the Thévenin equivalent circuit with respect to the terminals. Show your work.

$$V_{th} = \underline{\hspace{2cm}}$$

$$R_{th} = \underline{\hspace{2cm}}$$

(answers: 56 V, 7 Ω)

ECEn 301
Source Transformations

