## **King Fahd University of Petroleum and Minerals**

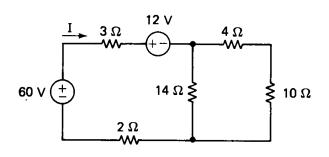
Electrical Engineering Department

EE 208: Electrical Systems

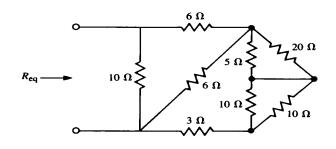
Instructor: Elmar III. Johar

## Home Work #2

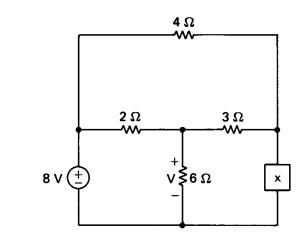
1. Find the power absorbed by the 14- $\Omega$  resistor in the circuit shown below.



**2.** For the circuit shown, **find** the equivalent resistance  $\mathbf{R}_{eq}$ .



 In the circuit shown below, if the element x is a short circuit, find the voltage V.



**4.** If the element **X** in the circuit shown below is an **open circuit**, find the **power of the voltage source**.

