1. Label the following circuit with mesh current variables and loop directions. Solve the mesh current variables and for the voltage, $V_S$. Find the power delivered or absorbed by each element. Please put your answers in tabular form.

![Circuit Diagram](image1.jpg)

2. Solve the following circuit using nodal analysis and mesh analysis to find $V_X$. Find the power delivered by the dependent source.

![Circuit Diagram](image2.jpg)