Assignment 3

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

1. Determine the value of $V_1$ in the given circuit using superposition theorem.

\[
\text{Ans.: 11.2 V}
\]

2. Using source transformation the following circuit needs to be reduced to a single voltage source in series with a single resistor. Determine the value of resistor.

\[
\text{Ans.: 5.714Ω, 18.293 V}
\]

3. Determine the Thévenin resistance and voltage for the following circuit.

\[
\text{Ans.: 10Ω, 10 V}
\]