Common Misconceptions and Mistakes for Exam 2

Power Generated is associated with delivery, Power Developed is associated with absorption.

V_{th} is an open circuit voltage. $V_{th} = V_{ab}$.

I_N is a short circuit current. $I_N = I_{ab}$.

Using the test source method to find R_{eq}, all independent sources are switched off and all dependent sources stay on.

If a named current associated with a dependent source is eliminated *from turning off sources*, the dependent source's value will be zero.

A named current that was discovered BEFORE applying the test-source method does not hold after placing a test source and turning off independent sources.

If a Thevenin or Norton circuit has no independent sources, V_{th} or I_N will be zero. This is NOT true if there is an independent current source without an independent voltage source, there will still be voltage.