ENGR 12 Assignment 5 Due: next wed

**Part I. Drills -- 1 point each**

 



1. Find just the "Lookback Resistance" (Rth) at a-b by turning off the independent sources
a) 5b)

 

**Part II. Assisted Problem Solving – 2 pts each**

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|   | PLAN1. Find Rth by turning off sources
2. Find In by finding the short circuit current through a-b
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|  | PLAN 1. Find the Thevenin equivalent at a-b
	1. Vx is Vth so just use nodal analysis to find Vth
	2. To find Rth Apply a 1A source at a-b and find the voltage Vo it provides,
	3. use Rth= Vo/ 1A
2. Use Pmax = Vth2/(4Rth)
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**Part III. Unassisted Problem Solving – 3 points each**

 