Quiz I

Solutrans

1/30/15 Name:\_\_\_\_

1) Verify the logical equivalence:

 $n(p \vee q) \equiv (np) \wedge (nq)$ 

P	2	PV2	n(pVq)	1~p	Na	(np) 1(ng)
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Why are they equivalent?

n(pvg) and (rp) n(rg) are equivalent because the truth values in the circled Columns match. This is also one of De Morgais Laws.

Mixing up the symbols V (OR) and 1 (AND)? -2 pts but filling in truth values correctly (with respect to the mix up)

Insufficient explanation for why the 3 - 1 pt

Mostly mourrect truth table 3-3-8 pts