Problem 2 a) $a \wedge b = \neg(a \rightarrow \neg b)$

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a	b	76	$a \rightarrow \neg b$	¬(a>>>b)	anb	
0	0	1	1	0	0	
0	1	0	1	0	0	
1	0	1	1	0	0	
1	1	0	0	1	1	

based on the truth table, a \wedge b is logically equivalent to \neg (a \rightarrow \neg b) as they shave the same outputs.

b)
$$a \wedge b \wedge c = (a \wedge b) \wedge c$$

= $\neg ((a \wedge b) \rightarrow \neg c)$
= $\neg (\neg(a \rightarrow \neg b) \rightarrow \neg c)$