De Morgan's Laws

Use Truth Tables to prove De Morgan's Laws (see page 40).

$$\neg(p\vee q)=\neg p\wedge \neg q$$

р	q	$p \lor q$	$p \wedge q$	$\neg (p \lor q)$	$\neg (p \land q)$
		(1)	(2)	(3)	(4)
0	0	0	0	1	1
0	1	1	0	0	1
1	0	1	0	0	1
1	1	1	1	0	0

р	q	¬р	$\neg q$	$\neg p \wedge \neg q$	$\neg p \lor \neg q$
		(5)	(6)	(7)	(8)
0	0	1	1	1	1
0	$\mid 1 \mid$	1	0	0	1
1	0	0	1	0	1
1	1	0	0	0	0