

# Math 2283 - Introduction to Logic

Quiz #6 - 2006.09.27

Solutions

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Convert the following Polish Sentential wffs to regular Sentential wffs.

1.  $\wedge \wedge P \Leftrightarrow Q R \neg Q$

$$((P \wedge (Q \Leftrightarrow R)) \wedge \neg Q)$$

2.  $\wedge \wedge \vee \wedge R \neg Q \Leftrightarrow P \wedge R S \neg Q R$

$$(((R \wedge \neg Q) \vee (P \Leftrightarrow (R \wedge S))) \wedge \neg Q) \wedge R$$