

Math 1303 - Math in the Liberal Arts

Quiz #18 - 2014.11.17

Solutions

1. You run a 10 km race on Friday in 63:42, and you run a 10 mile race on Saturday in 63:42 as well. For which race did you have a faster pace?

Since 10 miles is longer than 10 km, the pace for Saturday's race was faster.

2. Construct a truth table for the following sentence: $(p \wedge q) \rightarrow (\sim q \vee p)$.

p	q	$p \wedge q$	$\sim q$	$\sim q \vee p$	$(p \wedge q) \rightarrow (\sim q \vee p)$
T	T	T	F	T	T
T	F	F	T	T	T
F	T	F	F	F	T
F	F	F	T	T	T