
Name: _____

QUIZ 6 ♠

MATH 211
February 7, 2023

1. Use a truth table to decide if $P \Rightarrow \neg Q$ and $\neg P \vee \neg Q$ are logically equivalent.

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QUIZ 6 ♦

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1. Use a truth table to decide if $P \vee Q$ and $(P \wedge Q) \vee (P \wedge \neg Q)$ are logically equivalent.

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QUIZ 6 ♣

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1. Use a truth table to decide if $\neg P \vee Q$ and $\neg Q \Rightarrow \neg P$ are logically equivalent.

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QUIZ 6 ♥

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1. Use a truth table to decide if $\neg P \wedge (P \Rightarrow Q)$ and $\neg(Q \Rightarrow P)$ are logically equivalent.