

# Math 2283 - Introduction to Logic

Quiz #16 - 2006.12.06

Name: \_\_\_\_\_

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Prove the following by the method of deduction. Be sure to write down the validation for each step.

1.  $P \Rightarrow \forall x Qx \quad \therefore \forall x (P \Rightarrow Qx)$

2.  $\exists x (P \Rightarrow Qx) \quad \therefore P \Rightarrow \exists x Qx$