

Math 2283 - Introduction to Logic

Quiz #15 - 2006.12.01

Name: _____

Prove or disprove the justification for each step in the following proofs.

1. $\exists x (Px \Rightarrow Fx) \quad \therefore \exists x Px \Rightarrow \exists x Fx$

1. $\exists x (Px \Rightarrow Fx)$

2. $Pd^* \Rightarrow Fd^*$

3. Pd^*

4. Fd^*

5. $\exists x Fx$

6. $Pd^* \Rightarrow \exists x Fx$

7. $\exists x Px \Rightarrow \exists x Fx$

2. $\exists x (Px \Rightarrow Fx) \quad \therefore \exists x Px \Rightarrow \exists x Fx$

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2. $Pd^* \Rightarrow Fd^*$

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7. $\exists x Px \Rightarrow \exists x Fx$