Logic I
Fall 2009
Problem Set 9

Let I be the following interpretation: $UD = \{a, b\}$ $F : \{\langle a \rangle\}$ $G : \{\langle b \rangle\}$

Using the slides from Session 18 as examples, prove:

- (20pts) $\neg(\exists x)(Fx \& Gx)$ is true on I

- (20 pts) $(\forall x)(Fx \equiv Gx)$ is false on I

Complete the following problems from TLB:

- (10 pts. each)   10.1E 1a, 1d, 1j, 2a, 2b, 2c

24.241 Logic I
Fall 2009