

PHIL 225 - SYMBOLIC LOGIC

FINAL REVIEW

POSSIBLE ANSWERS - 2

1b) 1	$\forall x \forall y (Fxy \rightarrow \exists y Fyx)$	
2	$\forall x \exists y Fxy$	
3	$\forall x (\exists y Fyx \rightarrow Fxx)$	
4	a	
5	$\exists y Fay$	2 \forall -elim
6	b Fab	
7	$Fab \rightarrow \exists y Fya$	1. \forall -elim ²
8	$\exists y Fya$	6, 7 TC
9	$\exists y Fya \rightarrow Faa$	3. \forall -elim
10	Faa	8, 9, TC
11	Faa	5, 6-10 \exists -elim
12	$\forall x Fxx$	4-11 \forall -intro