	Hw3
1.4	E
,	Formalization in Fol
	1) R(x): x is a red things
	B(x): x is in the box
	a) All red things are in the box.
	$\forall x (R(x) \rightarrow B(x))$
	6) Only red things are in the box
	$\forall x (B(x) \rightarrow R(x))$
	c) No animal is both a cot and a day. A(x): x is an animal
	C(x): x is a cat
	D(x): $x = 0$ a dog
	tx (A(x) → ¬(C(x) ~ O(x))
	4x (A(x) = (2C(x) v - D(x))
	d) Every prize was up a boy.
	P(y): y is a prize
	B(x): xis a boy
	W(x,y): x won y (Adam won the lottery)
	ty (P(y) > 7x/bx) w/x/ For all prizes there exists
	Ty (P (y) > = x(5x) x W(xy) For all prizes there exists some boy that won the prize)
	II.