BI 471 Homework 5

	$\frac{dH}{dt} = rH - bHP$ $\frac{dP}{dt} = cHP - EP$
1)	- The control
	= CS+IP dp - Sk Pdp (7 m just not centrain how to solutions) Similaria, we would have
	(b) 1 AP/At should be independent of the
	The same from the integral
	H in part (a), that divar would depend on P.

1000	
31	C dur was the and
-	Green drivat = rti [1-+1/2]-btp and drivat = ctip-vp
	it seems that adding a term, which describes the effect
	of a pesticide, before k, the per capita death rate of the
	of pray, the and a decrease in the number of
	Charles the and a decrease the
	predators, P. Let's call this term "3"
	AH/11 = 11 = H/ > 1 0 = H
	AP/At = CHIP- 3KP. And
	Given dH/at=rH-bHP and dP/at=cHP-VP
4)	(a) AHI/AE = (THI-BHP) - X, Where X is The fraction
	(a) dri/dE = (c+1-b+1P) - X, when aire os
	of one free from predation
	of prey free from predation. This wood to bot penhaps dri/dt = rti- btip-X, which seems similar to bot penhaps carrivalent to dri/dt = rtiti- 1/2)
	not exactly mathematically equivalent to AH/At = rtiti- 1/6)
	P
	1
	(6)
	- Canata
	assuming refugic population is consta
	*
	•
	(c) Having sufugers from prediction is odd it seems;
	(c) Having surfugers from prediction would in a leave the isortine from crossing the x-axis in a keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep the isortine from crossing the x-axis in a leave keep
	(c) Having suiting from crossing the x-axis
	keep the isortine is a In other woords, there
	Keep the isorline from crossing the x-axis in a keep the isorline from crossing the x-axis in a phase plane of the x-p. In other words, the would phase plane of the x-p. In other of predators, becomes equal zero, despite the number of predators, becomes equal zero, despite the number of predators.
	never eque on analytican.
	of The refuger population.