Qu12 28

For the predator prex equations

dy = .2V-.05 PV

dP = - 1P + 01PV

a) what is the instrusic growth rute of the victures?

Pinst equations I'm

r= 02

of victims and produtors.

Set do =0, de =0 and solve for V, P +0

dV = V(.2-.05P) = 0 implies P = .2 = 4

dP = P(-01+01V) =0 1myllo, V = 10=10

So Average number of victims = 10

Average number of predators = 4