First order, linear difference equation with constant coefficients:		
Examples:		
Harvesting a growing population:		
That vesting a growing population.		
Disease incidence:		
Stabilizing a decaying population with immigration or stocking:		
Using antibiotics to fight an infection:		

Acid rain:	
Designing a drug dosage scheme:	
A growing population with a carrying capacity:	

First order, linear difference equations

2/16/2006

MATH 151.003

Solving the first order, linear difference equation:

Equilibrium and stability: