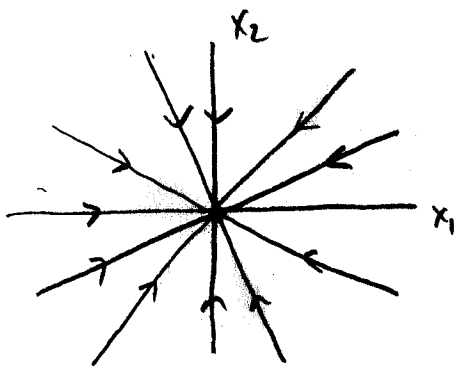


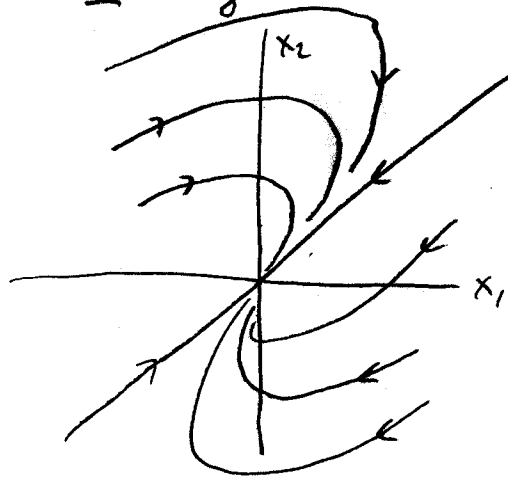
Week 9 summary:

- More phase plane portraits

$\lambda_1 = \lambda_2$ : one eigenvectors



two eigenvectors



- SIR model (epidemiology)

System of 3 ODEs, where  $S(t)$  = # susceptible people

$I(t)$  = # infectious people

$R(t)$  = # recovered people