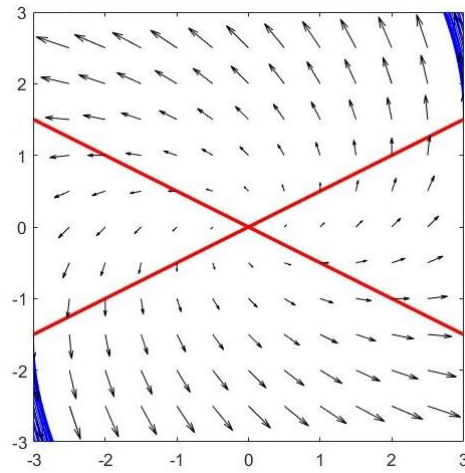
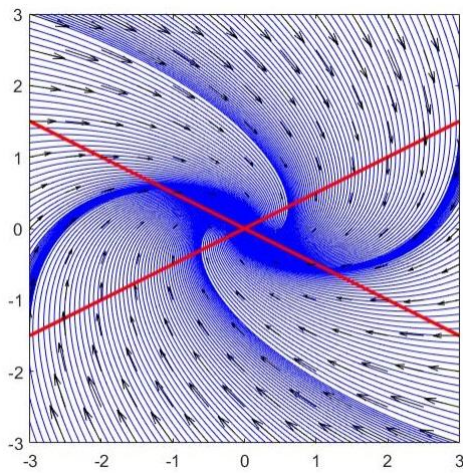


Assignment – 4

1&2:



The quiver point arrows in the first question are pointing in the direction of the equilibrium point. This means that if a state deviates just a little from equilibrium, the dynamical system will suck it in. It's referred to as an attractor, and it's a reliable system.

The quiver point for the second question, on the other hand, is pointing outwards, as seen in the second diagram. As a result, even a small deviation from the equilibrium point will push the dynamic system out of balance. It's referred to as a repeller and an insecure system.

3:

