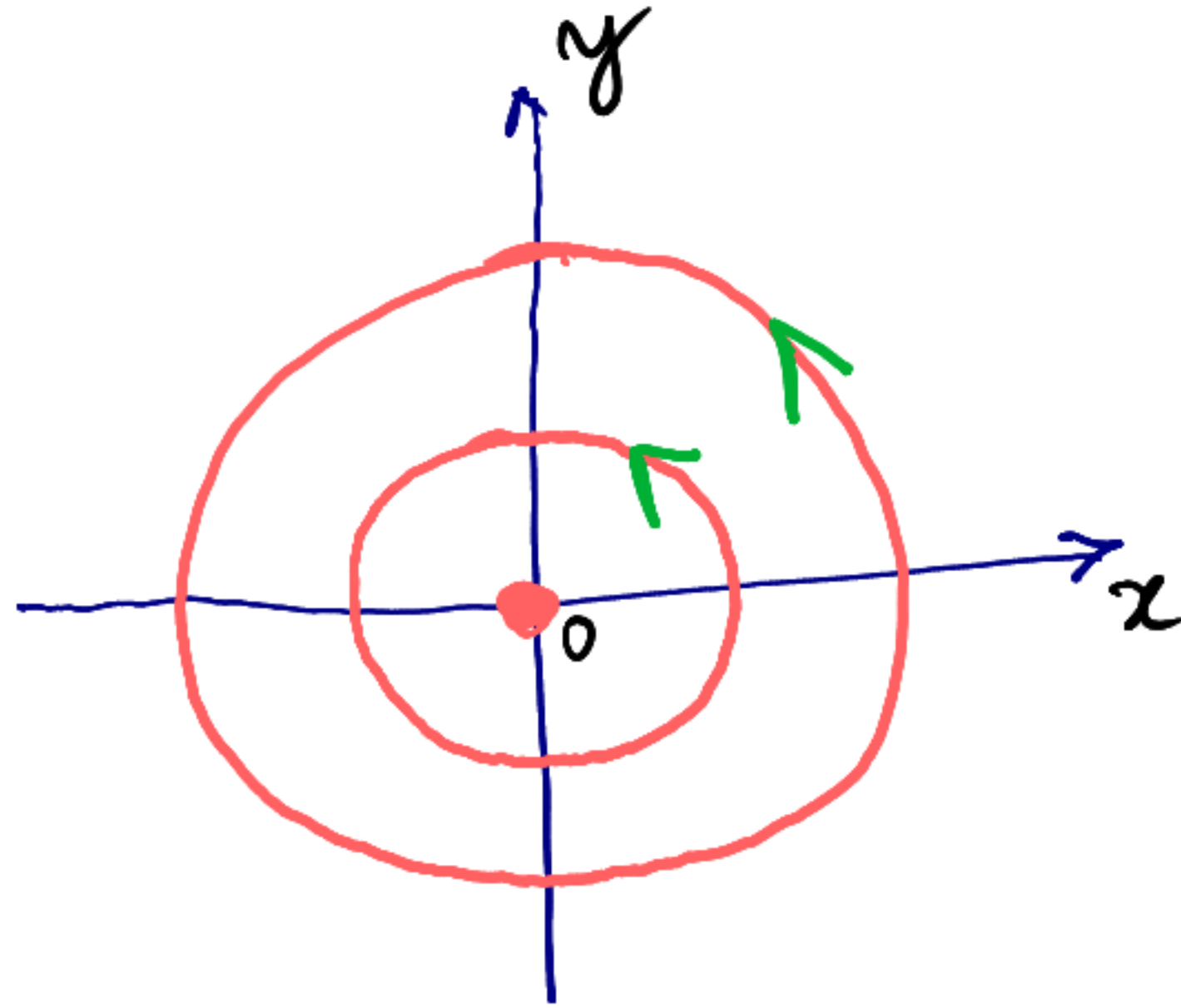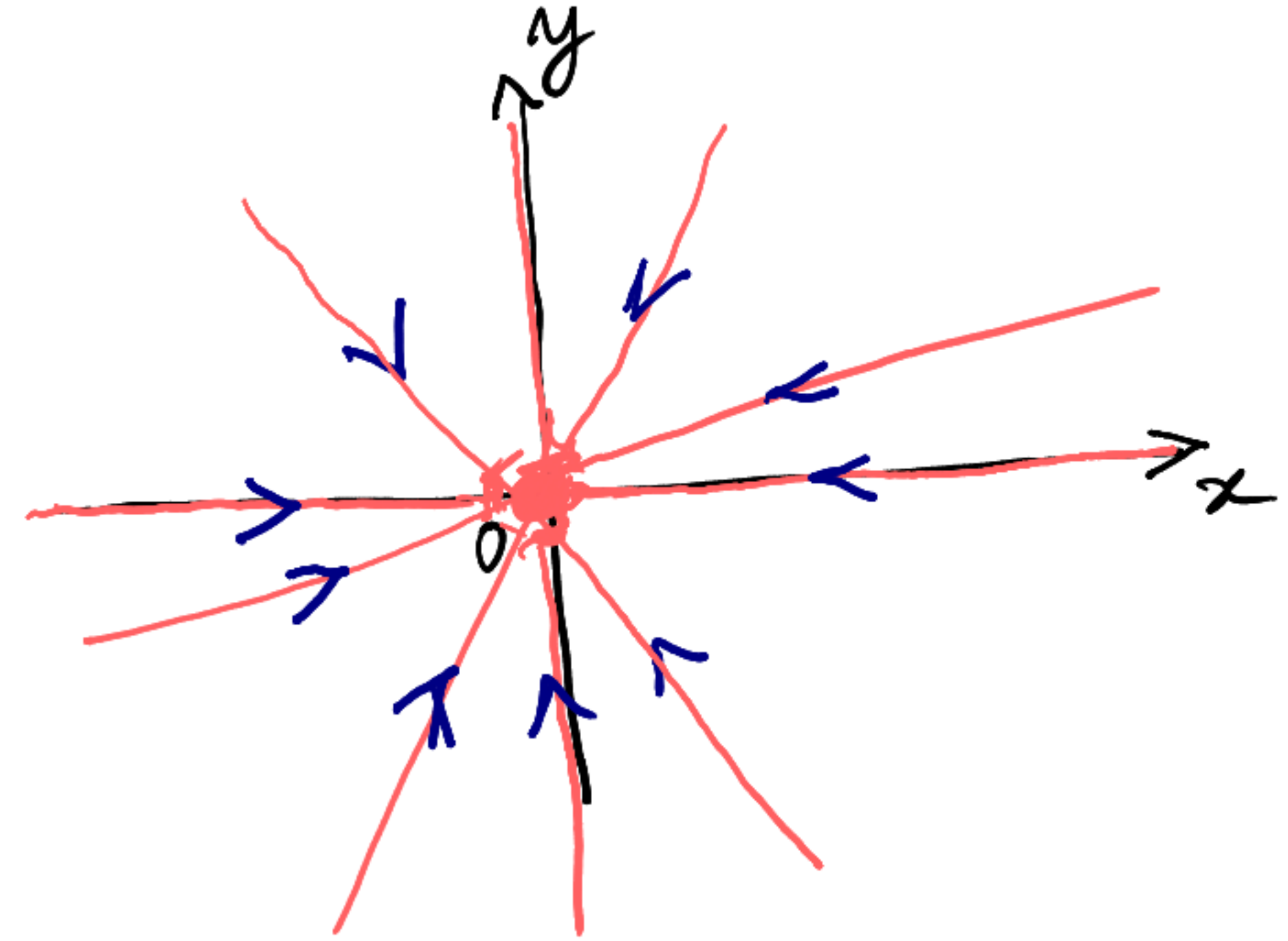# Phase portraits of linear planar systems
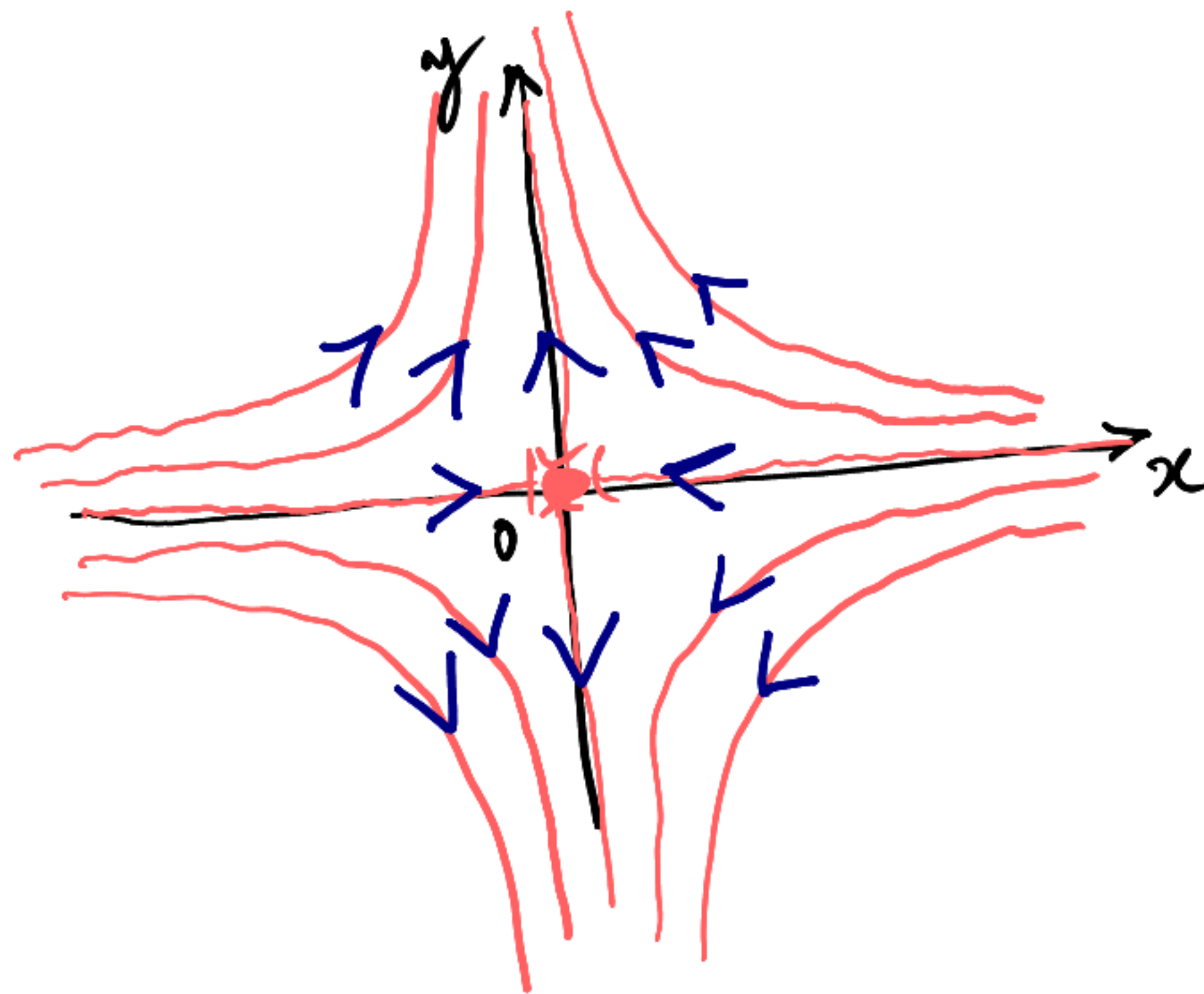
1) $\dot{x} = -y$, $\dot{y} = x$

2) $\dot{x} = -x$, $\dot{y} = -y$

3) $\dot{x} = -x$, $\dot{y} = y$

4) $\dot{x} = x - y$, $\dot{y} = x + y$