

Differential Equations Seminar: Week 4 Solutions

1. $(0, -2)$ can't be determined; $(0, 2)$ can't be determined; $(-1, 0)$ unstable node; $(1, 0)$ unstable saddle
2. $(2, -2)$ unstable spiral; $(1, -1)$ unstable saddle; $(1, 1)$ stable node; $(2, 2)$ unstable saddle
3. $(1, 0)$ unstable saddle