Show your work!

(1) Show that, if you try to find an 'equilibrium' solution of $\dfrac{\mathrm{d}y}{\mathrm{d}t} = y + t$ using the method discussed in class, the answer you get is not really a solution at all. (This shows that you should look for equilibrium solutions only when the right-hand side does not involve the independent variable.)

- **Five** book problems: #1.1.7, 12 (draw phase line, not slope field), 22, 24, 25(a, b).