Given $y^{\prime}=a y+b, a(\mathrm{n}) \quad$ linear__differential equation of order _one_ with _constant coefficients, the equilibrium solution is $y=\ldots-b / a \quad$. The parameter ______determines whether the Eq Sol' $n$ is stable or not. If it is positive, the solution is $\qquad$ . If it is negative, the solution is
$\qquad$ . For an object in free fall subject to air resistance, the Eq Sol'n is stable/unstable (circle one) and is known as the __terminal_ velocity. For the predator/prey model in chapter 1, the Eq Sol'n is stable/unstable (circle one).

