2. [15 points] Solve each, finding explicit real-valued solutions as indicated.
a. [8 points] Solve the initial value problem $x^{\prime}=-y, y^{\prime}=12 x-7 y, x(0)=2, y(0)=1$.
b. [7 points] Find the general solution to $\binom{x_{1}}{x_{2}}^{\prime}=\left(\begin{array}{ll}6 & -5 \\ 4 & -2\end{array}\right)\binom{x_{1}}{x_{2}}$.
