2. [14 points] Solve each of the following to find explicit real-valued solutions for $y$. *(Note that minimal partial credit will be given on this problem.)*

   a. [7 points] $y' = x/(y(1 + x^2))$, $y(0) = 1$.

   $y = \ldots$

   b. [7 points] $y'' + 14y' + 13y = 0$, $y(0) = 2$, $y'(0) = -2$.

   $y = \ldots$