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] $y^{\prime}=x /\left(y\left(1+x^{2}\right)\right), y(0)=1$.

$$
y=\square
$$

b. [7 points $] y^{\prime \prime}+14 y^{\prime}+13 y=0, y(0)=2, y^{\prime}(0)=-2$.

$$
y=
$$

