HOMEWORK 1-PART C

1. Solve the inhomogeneous equation $x' - \frac{2x}{t+1} = (t+1)^2$.
2. Solve the inhomogeneous equation $(x^2 + 1)y' + 3xy = 6x$.
3. Solve the inhomogeneous equation $(2x + 3)y' = y + (2x + 3)^{\frac{1}{2}}$.