Interrogation 01

Exercise 1 _____06 points

Solve the following differential equations :

1. $y' + 2y - 1 = x^2 e^{-2x} + 2e^{3x} + x$

2. $y' = |y - x|$.

3. $y' + 2y - (x+1)\sqrt{y} = 0, \qquad y(0) = 1$