1. Solve the following 1st order DE

(a)  (16 scores)

(b)  (17 scores)

(c)  (17 scores)

2. Solve the following higher order DEs

(a)  (16 scores)  
(Hint: *y* = *x*+1 is one of the solutions)

(b)  (17 scores)

(c)  (17 scores)