M351 AHw§3.7 (S. Zhang) .

1. (3.7:a1) Solve the equation by 3 methods. (A) As a constant coefficient equation, (B) By reduction of order method, type no-y, (C) By reduction of order method, type no-x.

$$3y'' - 2y' = 0$$

2. (3.7:a2) Solve the equation by the methods of reduction of order: (A) type no-y, (B) type no-x.

$$y'' - 2(y')^2 = 2$$