Differenciálegyenlet − Másodrendű − Hiányos, nincs y

1. $y'' + y' \operatorname{tg} x = 0$.

2. $y'' - 2y' = x, \quad y(0) = -1/2, \ y'(0) = -1$.

3. $x^2 y'' + 2xy' = \ln x, \quad y(1) = 0, \ y'(1) = 2$.

4. $y'' + 2xy' + e^{-x^2} - x = 0, \quad y(0) = 0, \ y'(0) = 1/2$.

5. $y'' + y' = e^{-x} + x + 2, \quad y(0) = -1, \ y'(0) = 2$.

6. $x^2 y'' - (y')^2 + 2x^2 = 0, \quad y(0) = 1/2, \ y'(1) = -1$.

7. $2y'' - (y')^2 + 4 = 0, \quad y(0) = 0, \ y'(0) = 1/2$.

8. $y' + \ln y'' = 0, \quad y(1) = -2, \ y'(1) = 0$.