



Differential Equations Assignment 15

Solve each of the Cauchy-Euler Differential Equations.

(a) $x^2 y'' - 2y = 0$

(b) $xy'' + y' = 0$



Solutions to Assignment 15

(a) $y = C_1 x^2 + C_2 x^{-1}$

(b) $y = C_1 + C_2 \ln(x)$