

MATH 2340 “COOL DOWN” PROBLEMS

For each of the following differential equations, (1) determine the fundamental solutions, and (2) write down the general solution.

(1) $y'' + 2y' - 3y = 0$

(2) $y'' - 9y = 0$

(3) $y'' - 7y' = 0$

(4) $y'' = 0$