

MTH 376

Homework 3

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1 Section 4.2

26. (a) $2 \cos t$
(b) $C_1 = 2$ and $C_2 = 0$ which is a contradiction.
(c) $2 \cos t + C_2 \sin t$, with C_2 arbitrary.

2 Section 4.4

2. yes
4. yes
14. $y_p = 2^x [(\ln 2)^2 + 1]^{-1}$.