

Solution (#1644)

- $y = Ae^x + Be^{-x} + C \sin x + D \cos x.$
- $y = Ae^x + e^{-x/2} \left(B \sin \frac{\sqrt{3}x}{2} + C \cos \frac{\sqrt{3}x}{2} \right).$
- $y = Ae^{-x} + B \sin x + C \cos x.$
- $y = Ax + B + C \sin x + D \cos x.$