Even Non-Bold Answers $y = e^{x}(c_{1}\cos x + c_{3}\sin x) + \frac{7}{5}e^{2x}\cos x - \frac{1}{5}e^{2x}\sin x.$ 26) y= c, e + c, xe = 64.6 \$4.3 2nd-order DE 2) y=c, cosx + c, sint 2 -cosxln |seex+tenx| 2) $y = c_1 e^{6x} + c_2 e^{-6x}$ 6) y = C, e5x + C, xe5x $(3) y = c_1 e^{x} + c_2 x e^{x}$ $-\frac{1}{3} e^{x} ln(1+x^2) + x e^{x} to n^{-1} x$ 32) y=- 7e2+ 4e3x $y = e^{2x} - 2xe^{2x} + e^{2x}(x^4 - x^3)$ 34) $y = 5e^{x} + 5xe^{x}$ $=e^{2x}(x-x^3-2x+1)$. 94.3 higher order DE 16) y=c,ex+2 e = [c, cos(\(\frac{1}{2}x\) +c, sin(\(\frac{1}{2}x\)] 84.4 8) $y = c_1 e^{3x} + c_2 e^{-x} - \frac{19}{425} \cos 2x$