

Quiz Five, MTH 205, Fall 2014

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QUESTION 1. Solve for $y(x)$

(i) $y^{(2)} - 7y' - 8y = e^{-x}$

(ii) $y^{(2)} - 6y' + 9y = x^2e^{3x}$

$$\text{iii) } y^{(5)} + 3y^{(4)} + 2y^{(3)} = 10$$

$$\text{iv) } x^3 y^{(2)} + x^2 y' - 9xy = 0$$

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