Name Class Time

Math 2250 Exam Review Problems Chapter 1, sections 1.4 and 1.5 S2012

Problem	ER-1.	(Linear	Integrating	Factor	Method`
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Problem ER-1. (Linear Integrating Factor Method)

The symbolic solution of y' = -2xy, y(0) = 2 is $y = 2e^{-x^2}$. Display the details of the linear integrating factor method derivation of this symbolic solution, plus a full answer check.

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Math 2250 Exam Review Problems Chapter 1, sections 1.4 and 1.5 January 2012

Problem ER-2. (Variables Separable Method)

The exact symbolic solution of $y' = \frac{1}{2}(y-1)^2$, y(0) = 2 is $y = \frac{x-4}{x-2}$. Display the details of the variables separable method derivation of this symbolic solution, plus a full answer check.