2004 Mathematics (1)

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1A

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2A*

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3B*

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4B

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5C

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6C

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7D*

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8D

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Solution(s):

From user: ar857

$$\begin{array}{lll}
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10E

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11F

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Solution(s):

From user: ar857

Roof I

a)
$$(1-x^2)$$
 $\frac{1}{ax} = xy^2$

Separable

 $\frac{1}{3^2} dy = \frac{1}{4}x^2y^2y^2$
 $\frac{1}{3^2} dy = \frac{1}{4}x^2y^2y^2$
 $\frac{1}{3^2} dy = \frac{1}{4}x^2y^2y^2$
 $y = \frac{1}{4}x^2y^2 + c$
 $e^{1/3} = \frac{1}{4}x^2y^2 + c$
 $e^{$

12F

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Solution(s):

From user: ar857