MATH 107-253 Recitation 4-5

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p. 130 #51: Find the indefinite integral of $\displaystyle\int \left(t\sqrt{t} + \frac{1}{t\sqrt{t}} \right)\, dt$**.**

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p. 338 #30: Find $\displaystyle\int \frac{e^t + 1}{e^t + t}\, dt$**. Check your answer by differentiating.**

p. 338 #40: Find $\displaystyle\int \frac{x\cos(x^2)}{\sqrt{\sin(x^2)}}\, dt$**. Check your answer by differentiating.**

p. 338 #74: Find $\displaystyle\int (z+2)\sqrt{1-z}\, dz$**.**