

MATH 101 V2A – Homework

January 26th

(1) Calculate

$$\int_0^x e^t \sin(3t) dt$$

using the method of integration by parts.

In the video, the integral $\int_0^x e^{2t} \cos(t) dt$ was calculated. Watch the video and use the same method to solve the problem above. You do NOT need to hand anything in for this homework assignment, though you may be asked to present all or part of your solution to the problem on the board at the beginning of Wednesday's class. Your grade will be based primarily on participation rather than the correctness or completeness of your work, provided you demonstrate that you have watched the video.