<div align="center">**Indefinite Integrals Study Group Activity**

(Groups of 3 or 4 people)</div>

Purpose of activity: Gain a deeper understanding of the topic by solving a problem on your own and then teaching it to your peers.

Due Date: End of Thanksgiving Break (25th at midnight)

Individual Portion: Everybody in the group should choose ONE of the problems below. Solve your problem on your own before you meet with your group.

1. Find $\int (x^4 + 3x^2)(x^5 + 5x^3)^2 dx$
2. Find $\int 4x \sin(x^2) \, dx$
3. Find $\int 5x \, e^{5x^2} dx$
4. Find $\int \frac{1}{1+(2x)^2} \, dx$

Group Portion: Take turns teaching your problem to the rest of the group. Use a whiteboard to clearly show each step to your groupmates. Record your teaching using a phone or camera.

Assessment: Upload your video to Blackboard.