

Integration Gateway #3**Math 232**

Same rules as the previous gateway, but here you must 3 of the 4 problems completely correct. Don't forget to circle your final answers!

1. $\int x \sin x \, dx$

2. $\int x \sin x^2 \, dx$

3. $\int \sin^2 x \, dx$

4. $\int_0^{\frac{\pi}{4}} \sin x \, dx$