

## Integration Gateway #2

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.  $\int x \cos x \, dx$

2.  $\int \pi^2 \, dx$

3.  $\int \sec^4 x \tan^2 x \, dx$

4.  $\int_1^3 x e^{x^2} \, dx$