

Name: _____

Date: _____

To receive any credit for the following problems, you must show complete and accurate work. Use proper limit notation and give exact answers unless otherwise noted.

1. Determine $\int (2x^2 e^{x^3+5}) dx$

2. Evaluate $\int_0^{\frac{\pi}{2}} 4\cos^3 x \sin x \, dx$