

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Use the by-parts method to evaluate the integral $\int x e^{-10x} dx$.

2. Use the by-parts method to evaluate the integral $\int (x + 7)(2x + 3)^5 dx$.