

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. Compute the following integrals:

(a) $\int (x^2 + 1)^{2017} 10x dx$

(b) $\int x^3 \ln 2x dx$