

Bonus for Midterm

1. Calculate the following question:

$$g(x) = \int_0^x \cos(t^2) dt$$

2. Calculate the following question:

$$\int x \sqrt{x^2 + 1} dx$$

3. Calculate the following question:

$$\int (5x^4 - 3x + 2) dx$$

4. Calculate the following question:

$$\int_0^1 (3x^2 + 2x + 1) dx$$

5. Calculate the following question:

$$\int_0^3 (3t^2 - 6t) dt$$