Math 16B - Short Calculus
Homework 7

Instructions: Compute the following antiderivatives. On the quiz points will only be given for correct work, not for just a correct answer. Show all steps in the solution.

1. \[ \int - \sin^2(x) \cos(x) \, dx \]
2. \[ \int \sin(x) \cos^8(x) \, dx \]
3. \[ \int \sin^3(x) \, dx \]
4. \[ \int 3 \cos^2(x) \, dx \]
5. \[ \int \sin^2(2x) \cos^2(2x) \, dx \]
6. \[ \int \sin(7x) \cos(7x) \, dx \]
7. \[ \int 4 \cos^2(3x) \, dx \]
8. \[ \int - \sin^5(x) \, dx \]
9. \[ \int - \sin^5(x) \cos(x) \, dx \]
10. \[ \int - \sin^5(x) \cos^2(x) \, dx \]