

Calculus Class Worksheet #4 Unit 9 _____

Integrate each of the following.

1. $\int \cos^2(3x) dx =$ _____

2. $\int \sin^4(2x) dx =$ _____

3. $\int \sin^3(4x) dx =$ _____

4. $\int \cos^5(x) dx =$ _____

5. $\int \tan^4(3x) dx =$ _____

6. $\int \cot^2(x) dx =$ _____

7. $\int \sec^4(5x) dx =$ _____

8. $\int \csc^6(x) dx =$ _____