

Calculus Class Worksheet #1 Unit 9 _____

Integrate each of the following.

1. $\int (3x + 5)^3 dx =$ _____

2. $\int x(x^2 - 3)^4 dx =$ _____

3. $\int \sqrt{5x + 2} dx =$ _____

4. $\int \frac{xdx}{(x^2 + 1)^2} =$ _____

5. $\int (x + 1)(x^2 + 2x - 5)^4 dx =$ _____

6. $\int \frac{xdx}{(x^2 + 1)^4} =$ _____