

AP Calculus Substitution Review

1. $\int x(x^2 - 3)^6 dx$

2. $\int 2 \cos 5x dx$

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

$$4. \int \frac{x^3}{(1+x^4)^2} dx$$

$$5. \int \sin^4 2x \cos 2x dx$$

$$6. \int x\sqrt{4-x} dx$$