

$$\int 3x^2 \sec(x^3) \tan(x^3) \, dx$$

$$\int \frac{6x^5}{\sqrt{1 - (x^6)^2}} \, dx$$

$$\int 4x^7 \sec^2(x^8) \, dx$$

BONUS: Find b

$$\int (1 - x^2) e^x \, dx$$

$$\int_2^3 3x^2 e^{x^3} \, dx = \int_8^b e^u \, du$$