$$\int f(x) \cdot f(x) dx = \frac{[f(x)]^{n+1}}{n+1} + 4 + n = 1$$

$$\int \frac{5}{(x-5)^3} dx$$

$$\int \frac{1}{(x-3)^3} dx = 5 \int \frac{1}{(x-3)^{-2}} dx = 5 \cdot \frac{(x-3)^{-2}}{-2} = \frac{(x-3)^{$$