

NOTE CHECK → 4.2

Ex 1: $\int (x^2+1)^{50} \cdot 2x \, dx$ $u =$

Ex 2: $\int x^2 (x^3-4)^5 \, dx$ $u =$

Ex 3: $\int 2x^3 \sin(x^4) \, dx$ $u =$

Ex 5: $\int \cos(5x) \, dx$ $u =$

$$\text{Ex 8: } \int \sin^2(x) \cos(x) dx \quad u =$$

$$\text{Ex 9: } \int \frac{\cos(\sqrt{x})}{\sqrt{x}} dx \quad u =$$

$$\text{Ex 10: } \int x^4 \sqrt[3]{3-5x^5} dx \quad u =$$

$$\text{Ex 11: } \int x^2 \sqrt{x-1} \, dx \quad u = \quad \rightarrow x =$$

$$\text{Ex 13: } \int \cos^3(x) \, dx$$