

RATIONAL FUNCTIONS

1. $\int \frac{x^3}{(3-2x)^5} dx$, $u=3-2x$ and find the value of x

2. $\int \frac{1}{4-x^2} dx$

3. $\int \frac{x^4}{4-x^2} dx$

4. $\int \frac{1}{x^2+10x+25} dx$

5. $\int \frac{x^4}{4+x^2} dx$

6. $\int \frac{1}{x^2+10x+21} dx$

7. $\int \frac{1}{2x^2-x-3} dx$

8. $\int \frac{1}{x^2+3x} dx$

9. $\int \frac{x^3}{4+x^2} dx$