**30Question 31382**

Anti-derivative of function is an indefinite integral of that function. Hence, $F=\int(\frac{5}{x^2}-\frac{7}{x^3}+\frac{9}{x^4})dx$ .

Knowing table integral $\int x^n dx=\frac{x^{n+1}}{n+1}+C$ , obtain that the anti-derivative is $F=\frac{-5}{x}+\frac{7}{2x^2}-\frac{3}{x^3}+C$

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