Answer to question # 50917

Integrate with respect to x :

$$\int_0^1 x^2 \, dx$$

Solution

$$\int_0^1 x^2 \, dx = \left[\frac{x^3}{3}\right]_0^1 = \frac{1^3}{3} - \frac{0^3}{3} = \frac{1}{3}$$

Answer: $\frac{1}{3}$

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