

התוצאה היא $\int_0^1 x^2 dx = \frac{1}{3}$

1) $f(x) = \sin x$ $f'(x) = \cos x$

$$F(x, \beta, x) = \frac{1}{x} \int_0^x f(t) dt = \frac{1}{x} \int_0^x \sin t dt = \frac{1}{x} [-\cos t]_0^x = \frac{1}{x} (1 - \cos x)$$

(א) $f(x) = 1 - 2\cos x$ (ב) $f(x) = \sin x$ (ג) $f(x) = x^2$ (ד) $f(x) = \ln x^2$ (ה)

(ו) $f(x) = |x|$ (ז) $f(x) = \sin x$

(ח) $f(x) = 1 - 2\cos x$ (ט) $f(x) = \sin x$ (י) $f(x) = x^2$

(יא) $f(x) = 1 - 2\cos x$ (יב) $f(x) = \sin x$ (יג) $f(x) = x^2$

(יד) $f(x) = 1 - 2\cos x$ (טו) $f(x) = \sin x$ (טז) $f(x) = x^2$

(יז) $f(x) = 1 - 2\cos x$ (יח) $f(x) = \sin x$ (יט) $f(x) = x^2$

(כ) $f(x) = 1 - 2\cos x$ (כא) $f(x) = \sin x$ (כב) $f(x) = x^2$

(כג) $f(x) = 1 - 2\cos x$ (כד) $f(x) = \sin x$ (כה) $f(x) = x^2$

(כו) $f(x) = 1 - 2\cos x$ (כז) $f(x) = \sin x$ (כח) $f(x) = x^2$

(כט) $f(x) = 1 - 2\cos x$ (ל) $f(x) = \sin x$ (לא) $f(x) = x^2$

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