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Eka Syntia-p (1227030012)

$$\int_1^5 x^{-3} + \cos(x) dx$$

$$\frac{1}{-3} x^{-3+1} + \sin(x) dx$$

$$= \frac{1}{2} x^{-2} + \sin(x) dx$$

$$= \frac{1}{2x^2} \Big|_1^5 + \sin(x) \Big|_1^5$$

$$= \frac{1}{2(5)^2} + \frac{1}{2(1)^2} + \sin(5) - \sin(1)$$

$$= \frac{1}{50} + \frac{1}{2} + (-0,958924) - (0,841471)$$

$$= \frac{1}{50} + \frac{25}{50} - 1,8$$

$$\frac{24}{50} - 1,8$$

$$0,48 - 1,8$$

$$= -1,32$$