

3. (a) $\frac{d}{dx} \int_0^x x^2 dx = \frac{d}{dx} \left[\frac{x^3}{3} \right] = x^2$

(b) $\frac{d}{dx} \int_0^x x^2 dx = \frac{d}{dx} \left[\frac{x^3}{3} \right] = x^2$

(c) $\frac{d}{dx} \int_0^x x^2 dx = \frac{d}{dx} \left[\frac{x^3}{3} \right] = x^2$

(d) $\frac{d}{dx} \int_0^x x^2 dx = \frac{d}{dx} \left[\frac{x^3}{3} \right] = x^2$

(e) $\frac{d}{dx} \int_0^x x^2 dx = \frac{d}{dx} \left[\frac{x^3}{3} \right] = x^2$

(f) $\frac{d}{dx} \int_0^x x^2 dx = \frac{d}{dx} \left[\frac{x^3}{3} \right] = x^2$

(g) $\frac{d}{dx} \int_0^x x^2 dx = \frac{d}{dx} \left[\frac{x^3}{3} \right] = x^2$

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