

3. (a) $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

(b) $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

4. $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

5. $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

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(b) $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

(c) $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

(d) $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

(e) $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

6. $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

7. $\int_0^1 x^2 dx = \frac{1}{3}$ $\int_0^1 x dx = \frac{1}{2}$ $\int_0^1 1 dx = 1$ $\int_0^1 x^3 dx = \frac{1}{4}$

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