

6. (a) $\int_0^1 x^2 dx$ and $\int_0^1 x^3 dx$ are given. Find $\int_0^1 x^4 dx$ and $\int_0^1 x^5 dx$.

(b) $\int_0^1 x^2 dx = \frac{1}{3}$ and $\int_0^1 x^3 dx = \frac{1}{4}$. Find $\int_0^1 x^4 dx$ and $\int_0^1 x^5 dx$.

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

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

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

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

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

#	Question	Answer
1	$\int_0^1 x^2 dx = \frac{1}{3}$ and $\int_0^1 x^3 dx = \frac{1}{4}$. Find $\int_0^1 x^4 dx$ and $\int_0^1 x^5 dx$.	$\int_0^1 x^4 dx = \frac{1}{5}$ and $\int_0^1 x^5 dx = \frac{1}{6}$.
2	$\int_0^1 x^2 dx = \frac{1}{3}$ and $\int_0^1 x^3 dx = \frac{1}{4}$. Find $\int_0^1 x^4 dx$ and $\int_0^1 x^5 dx$.	$\int_0^1 x^4 dx = \frac{1}{5}$ and $\int_0^1 x^5 dx = \frac{1}{6}$.
3	$\int_0^1 x^2 dx = \frac{1}{3}$ and $\int_0^1 x^3 dx = \frac{1}{4}$. Find $\int_0^1 x^4 dx$ and $\int_0^1 x^5 dx$.	$\int_0^1 x^4 dx = \frac{1}{5}$ and $\int_0^1 x^5 dx = \frac{1}{6}$.
4	$\int_0^1 x^2 dx = \frac{1}{3}$ and $\int_0^1 x^3 dx = \frac{1}{4}$. Find $\int_0^1 x^4 dx$ and $\int_0^1 x^5 dx$.	$\int_0^1 x^4 dx = \frac{1}{5}$ and $\int_0^1 x^5 dx = \frac{1}{6}$.
5	$\int_0^1 x^2 dx = \frac{1}{3}$ and $\int_0^1 x^3 dx = \frac{1}{4}$. Find $\int_0^1 x^4 dx$ and $\int_0^1 x^5 dx$.	$\int_0^1 x^4 dx = \frac{1}{5}$ and $\int_0^1 x^5 dx = \frac{1}{6}$.

The above table shows the solutions to the problems. The answers are $\int_0^1 x^4 dx = \frac{1}{5}$ and $\int_0^1 x^5 dx = \frac{1}{6}$.

The above table shows the solutions to the problems. The answers are $\int_0^1 x^4 dx = \frac{1}{5}$ and $\int_0^1 x^5 dx = \frac{1}{6}$.

