

integrali 1

1. 1

Calcolare

$$\int_0^1 x(x-1)(x-2) dx$$

- $\frac{1}{4}$ ✓
- 4
- $\frac{1}{3}$
- 3

2. 2

Calcolare

$$\int_0^1 \frac{1}{1+(1-x)^2} dx$$

- $\frac{\pi}{4}$ ✓
- $-\frac{\pi}{4}$
- $\frac{\pi}{2}$
- $-\frac{\pi}{2}$

3. 3

Calcolare

$$\int_0^1 \sqrt[5]{\sqrt{x} \cdot \sqrt[3]{x}} dx$$

- $\frac{6}{7}$ ✓
- $\frac{5}{6}$
- $\frac{6}{7}$
- $\frac{6}{5}$

4. 4

Calcolare

$$\int_0^{\frac{\pi}{3}} \frac{\sin x \cdot \ln \cos x}{\cos x} dx$$

- $-\frac{\ln^2 2}{2}$ ✓
- 0
- 1

- $-\frac{\pi}{4}$

5. 5

Calcolare

$$\int_0^1 x \cdot \sqrt[3]{1-x^2} dx$$

- $\frac{\pi}{3}$ ✓
- $-\frac{\pi}{3}$
- $\frac{\pi}{6}$
- $-\frac{\pi}{6}$