

Primitives / Intégrales

①. Calculer une primitive de $f(x)$.

1. $f(x) = 2x \cos(x^2+1)$

2. $f(x) = \sqrt{x} + x^2$

3. $f(x) = \cos(x) e^{\sin(x)}$

4. $f(x) = \frac{e^x}{e^x+1}$

5. $f(x) = \frac{3x^2}{x^3+1}$

6. $f(x) = \frac{1}{x+2}$

7. $f(x) = \frac{\cos(x)}{\sin(x)}$

8. $f(x) = (3x^2+1)(x^3+x+1)^4$

②. Calculer une primitive de $f(x)$.

1. $f(x) = x e^{x^2}$

2. $f(x) = \cos(x) \sin(x)$

3. $f(x) = \frac{1}{x} \cdot \ln(x)$

4. $f(x) = \cos(2x+1)$

5. $f(x) = \frac{x^2}{x^3+1}$

6. $f(x) = \frac{1}{3x+2}$

7. $f(x) = \tan(x)$

8. $f(x) = (5x+1)^6$