

$$1. \frac{\partial}{\partial x} f(x, y, z)$$

$$2. \frac{d^2(\sin ax + \sqrt{x})}{dx^2}$$

$$3. \int_0^{\infty} x^n e^{-ax} \cos(bx) dx$$

$$4. \lim_{n \rightarrow \infty} \sum_{i=0}^n \frac{\pi}{i^2}$$

$$5. \frac{da}{dx} \cdot \frac{db}{dy} \cdot \frac{dc}{dz}$$

$$6. \frac{d}{dx} (\ln x + \sqrt{\ln x})$$

$$7. \int_0^e \exp u \sin u du$$

$$8. \int \sin \theta d\theta$$

$$9. \int_0^u \int_0^v xy dx dy$$

$$10. \int_0^e \int_0^e \frac{x^2 \pm y^2}{x \pm y} dx dy$$

$$11. \frac{d}{dp} \int_p^q f(x) dx$$

$$12. \lim_{\Delta x \rightarrow 0} \frac{\Delta f(x)}{\Delta x}$$

$$13. e^{i\pi} + 1$$

$$14. \frac{d}{du} f(i) \cdot \frac{du}{dx}$$

$$15. \left( \frac{d(2x)}{dx} \right)^2$$

$$16. \int_0^{\pi/2} \sqrt{\cos \theta} d\theta$$