

$$(2) \int_{0}^{1} \int_{1}^{2} (4x^{3} - 9x^{2}y^{2}) dy dx$$

$$(4) \int_{\frac{\pi}{6}}^{\frac{\pi}{6}} \int_{-1}^{5} \cos y \, dx \, dy$$

$$(4) \int_{\frac{\pi}{6}}^{\frac{\pi}{6}} \int_{-1}^{5} \cos y \, dx \, dy$$

$$(4) \int_{\frac{\pi}{6}}^{\frac{\pi}{6}} \int_{-1}^{5} \cos y \, dx \, dy$$

$$(5) \int_{0}^{1} \int_{-1}^{2} x \cdot e^{x} \, dy \, dx$$

$$(6) \int_{0}^{1} \int_{1}^{2} x \cdot e^{x} \, dy \, dx$$

$$(6) \int_{0}^{1} \int_{1}^{2} x \cdot e^{x} \, dy \, dx$$

$$(7) \int_{0}^{1} \int_{1}^{3} e^{x + 3y} \, dy \, dx$$

$$(8) \int_{0}^{1} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(8) \int_{0}^{1} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(8) \int_{0}^{1} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(9) \int_{0}^{1} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(10) \int_{0}^{1} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(12) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(12) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(13) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(14) \int_{0}^{3} \frac{\pi}{2} \cos y \, dx \, dy$$

$$(15) \int_{0}^{3} \frac{\pi}{2} \cos y \, dx \, dy$$

$$(16) \int_{0}^{3} \frac{\pi}{2} \cos y \, dx \, dx$$

$$(17) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x + 3y} \, dy \, dx$$

$$(18) \int_{0}^{3} e^{x +$$

161 (28900) 205

2
$$\int_{0}^{\infty} \cos(x+2y)dA$$
, $R = [0, \pi] \times [0, \frac{\pi}{2}]$

(4) $\int_{0}^{\infty} \frac{1+x^{2}}{x^{2}}dA$, $R = [0, 1] \times [0, 1]$

$$\int_{0}^{\infty} \cos(x+2y)dA$$

$$\int_{0}^{\infty} \cos(x+2y)dA$$

$$\int_{0}^{\infty} \sin(x+2y) - \sin(y)dy$$

$$\int_{0}^{\infty} \sin(x+2y) - \sin(x+2y) - \sin(x+2y)$$

$$\int_{0}^{\infty} \sin(x+2y) - \sin(x+2y) - \sin(x+2y)$$

$$\int_{0}^{\infty} \sin(x+2y) - \sin(x+2y)$$

$$\int_{0}^{\infty} \sin(x+2y) - \sin(x+2y) - \sin(x+2y)$$

$$\int_{0}^{\infty} \sin(x+2y) -$$



