$$\int_{1}^{2} \int_{0}^{2} 2 \times y \, dx \, dy = 6 \qquad \boxed{03432}$$

$$\int_{1}^{2} \frac{2 \times^{2}}{2} \cdot y_{4} = \int_{1}^{2} x^{2} y_{4} \Big|_{0}^{2} - 5 \int_{1}^{2} 4 y_{4} - 5 \int_{1}^{2} y^{2} - 5 \int_{1}^{2} 4 y_{4} - 5 \int_{1}^{2} y^{2} - 5 \int_{1}^{2} 4 y_{4} - 5 \int_{1}^{2} y^{2} - 5 \int_{1}^{2} 4 y_{4} - 5 \int_{1}^{2} y^{2} - 5 \int_{1}^{2} 4 y_{4} - 5 \int_{1}^{2} 4 y_{4} - 5 \int_{1}^{2} 4 y_{4} - 7 \int_{1}^{2} 4 y_$$

 $10.\frac{x^{2}}{2}\Big|_{0}^{3} - \frac{8}{3}ax\Big|_{0}^{3} - 745 - 8 = 37$