Journ Journel ONI 0600041 0525 xy x+y+2 63 05 x 069 06253-x-y x+y53 xy 63-x-y; x = 3-y = 4 -1 x'=-4 (1+4)2 => Hanasabaya; x20, y20 Ixbagpanx $D_{1} | 0 \le x \le 3$ $0 \le y \le 9$ 1 + x = 1 $0 \le x \le 3$ $1 \le y \le 3 + x$ => \int xy \dxdy + \int (3 \times y) \dxdy \int \dxdy \int \dxdy \int \dxdy \int \dxdy \int \dxdy $S_{1} = \int_{0}^{3} \frac{4}{1+x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4}{1+x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4}{1+x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{8x - 6x^{2} + x^{3}}{1 + 2x + x^{3}} dx$ $= \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x - 1}{1 + x^{2}} dx = \int_{0}^{3} \int_{0}^{3} \frac{4x = -\frac{1}{2} \left(\frac{3}{3} \right)^{\frac{3}{4}} - \frac{3}{2} \left(\frac{3}{12} \right)^{\frac{3}{4}} + \frac{1}{2} \left(\frac{3}{12} \right)^{\frac{3}{4} + \frac{1}{2}} = \frac{9}{2} \cdot \frac{1}{12} \cdot \frac{1$

$$A_{1} = \int_{0}^{3} x - 7 d(x - 7) + \int_{0}^{3} \frac{16}{(x + 1)^{2}} d(x + 1) = (x - 7)^{2} \int_{0}^{3} + \frac{16}{(x + 1)} \int_{0}^{3} = 16 - 49 + 12 = -21$$

$$A_{2} = \int_{0}^{3} \frac{x^{2} - 6x + 9}{x^{2} + 2x + 1} dx = \int_{0}^{3} 1 dx - 8 \int_{0}^{3} \frac{x + 1}{(x + 1)^{2}} dx = \int_{0}^{3} \frac{1}{x^{2} + 2x + 1} d(x + 1)$$

$$= \frac{16}{3} \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3} \frac{1}{(x + 1)^{2}} d(x + 1) = 16 \int_{0}^{3}$$