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DUC 2

DP9

\$\int 1x+21 dxdy, VbgeTO De onpegeneno oT:

y=-1x1 u 2y=2x-6

D=T1UT2UT3, Wogero

$$T_{1} = \begin{cases} -6 \le x \le -2 \\ \frac{x}{2} - 3 \le y \le x \end{cases} \quad T_{2} = \begin{cases} -2 \le x \le 0 \\ \frac{x}{2} - 3 \le y \le x \end{cases} \quad T_{3} = \begin{cases} 0 \le x \le 2 \\ \frac{x}{2} - 3 \le y \le x \end{cases} \quad T_{3} = \begin{cases} 0 \le x \le 2 \\ \frac{x}{2} - 3 \le y \le x \end{cases}$$

 $\int \int |x+2| dx dy = \int (\int (-x-2) dy) dx = -1 \int (x^2 + 8x + 12) dx = 46$ $\int \int (x+2) dx dy = \int (\int (-x-2) dy) dx = -1 \int (x^2 + 8x + 12) dx = 46$

SS[x+2]dxdy = S(Sx+2dy)dx = 1Sx2+8x+22dx = 16 SS[x+2]dxdy = S(Sx+2dy)dx = 1Sx2+8x+22dx = 16

 $\int \int |x+2| dx dy = \int (\int x+2 dy) dx = \frac{3}{2} \int (-x^2+44) dx = \frac{16}{3}$

 $\iint = \iint |x+2| \, dx \, dy + \iint |x+2| \, dx \, dy + \iint |x+2| \, dx \, dy =$ $D = \iint |x+2| \, dx \, dy + \iint |x+2| \, dx \, dy =$

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