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UNIT-I Vector calculus

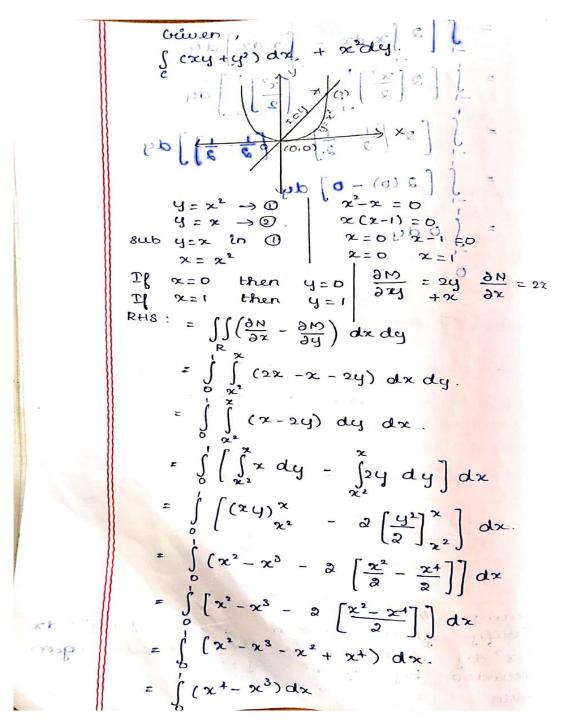
Green's theorem



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UNIT-I Vector calculus Green's theorem





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UNIT-I Vector calculus

Green's theorem



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UNIT-I Vector calculus

Green's theorem

$$dx = dy$$

$$\int (xy + y^2) dx + x^2 dy$$

$$= \int (x^2 + x^2) dx + x^2 dx$$

$$= \int (x^2 + x^2 + x^2) dx$$

$$= \int 3x^2 dx$$

$$= \int 3x^3 \int_{0}^{1} y^2 dx + x^2 (y^2 + y^2) dx$$

$$= \int (xy + y^2) dx + x^2 dy + x^2 (xy + y^2) dx$$

$$= \int (xy + y^2) dx + y^2 dy + x^2 dy + x^2 dy$$

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