1 Integral

1.1 Delvis integrasjon

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Resultat Anta U(x), v(x) deriverbare \frac{d}{dx}(U(x)V(x)) = V(x)U'(x) + U(x)V'(x) \int \frac{d}{dx}(U(x)V(x))dx = \int (V(x)U(x) + (U(x)V'(X))dx (U(x)V(x)) = (\int (V(x)U(x)dx)) + ((x)V'(x)dx) \int (U(x)V'(x)dx = U(x)V(x) - \int (V(x)U'(x)dx \int (U)dv + UV - \int (V)dU
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