UDS

Universidad Del Sureste

6ᵗᵒ Cuatrimestre Bachillero
Administración De Recursos Humanos
MATEMATICA APLICADA

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Examen

1.- $\int (2x^2 - 5x + 5)^3 \, dx$

$\dfrac{8x^2}{7} - \dfrac{305x^4}{4} + 27x - 10x + \dfrac{186x}{5} + 93x$

$-\dfrac{135x^2}{2} + C$ /

2.-- $\int (x3 + 5x2 - 4) \, dx / x2$

$3 + 5x^2 - 42 \, dx \div 2$

$5 + 5x^2 - 42 \, dx \, 1$

$3 + 5x^2 - 42 \, d$ /

3 - $\int (x^2) \, dx / (4\sqrt{x^3} + 2)$

$\int x^2 \, dx$

$\dfrac{x3}{3}$

$\dfrac{x^3}{3} + C$ /

Duyani Norleth M. Bonilles

$4 - 3\sqrt{(1-x^2)} \; x \, dx$

$\int 3 \sqrt{1-x2} \; x \, dx \qquad 3\int \sqrt{1x^2} \; x \, dx \qquad 3\int \sqrt{1x^2} \; x \, dx$

$3\int \frac{-1}{2} \; x \sqrt{x} \, dx \qquad 3\left(\frac{-1}{2}\right)\sqrt{\ast}d\ast \qquad \frac{3}{2}\int + \frac{1}{2} \, dx$

$\frac{3}{2} x \qquad 2(1-x^2) \; \sqrt{1x^2} \qquad (1+x^2)\sqrt{1x^2}$

$\underline{(-1+x^2)^3 \; \sqrt{1-x^2} \; + e}$

$5 . - \int (1+x) \, 2 \, dx \; 1 \sqrt{x}$

$(1+x) x2d + 1\sqrt{x}$

$(1+x) x2d \; \sqrt{x}$

$\underline{2 d \sqrt{x} + 2 dx \sqrt{x}}$

$6 . - \int \sqrt{x} \; 1 x^2 \, dx$

$\int \frac{\sqrt{x}}{x \, 2} \, dx \qquad \int \frac{x \frac{1}{2}}{x^2} \, dx \qquad \int \frac{1}{x \, 2}^{\frac{1}{3}} \, dx$

$-\frac{1}{\sqrt{x}} + C \qquad\qquad \frac{2}{\sqrt{x}}$

$7_0 - \int 2x^3 / 3\sqrt{x^2}\, d$

$2x \dfrac{3x^3}{x^2} \times d \quad \dfrac{33}{2x\frac{10}{x}} \times d \qquad 2x\dfrac{33}{10x} \times d$

$\dfrac{33}{5x} \times d \qquad \dfrac{33\, d}{5x}$

$8_0 - \int dx / 4x^2 + 9 \qquad\qquad dx\, \dfrac{x}{4} \times x^2 + 9$

$\dfrac{dx}{4}\, x^2 + 9 \qquad \dfrac{dx'\, x^2}{4} + 9 \qquad \dfrac{dx'+2}{4} + 9$

$\dfrac{dx^3}{4} + 9$

$9_0 - \int dx \, / x^2\, 10x + 30$

$\dfrac{dx}{x^2 10}xt\ 30 \qquad d\, \dfrac{1}{x^2 09}x + 30$

$d\dfrac{1}{x\, 208} + 30 \qquad \dfrac{d}{x\, 208} + 30$

Norleth $\qquad d\dfrac{30x\, 208}{x\, 208}$