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Nombre del trabajo: "EJERCICIOS"

Materia: CALCULO

Grado: ENFERMERIA 4TO SEMESTRE BACHILLERATO

Grupo: A

Comitán de Domínguez Chiapas a 27 de febrero de 2020.

* $y' = \text{arcsen}\ (2x^2+2) = \dfrac{4x}{\sqrt{1-(2x^2+2)^2}} = \dfrac{4x}{\sqrt{1-4x^4+4}}$

* $y' = \text{arccsc}\ x^3 = \dfrac{-1}{\sqrt{(\sqrt{x^2})^2-1}} = \dfrac{-1}{\sqrt{3x^2-1}} = \dfrac{-1}{\sqrt{3x^2-1}}$

* $y' = \text{arctang}\ (7x^5+1) = \dfrac{343x^2}{1+(7x^3+1)^2} = \dfrac{343x^2}{1+49x^5+1}$

* $y' = \text{arcsen}\ (9x^3+8) = \dfrac{729}{\sqrt{1-(9x^3+8)^2}} = \dfrac{729}{1-81x^5+1}$

* $y' = \text{arccsc}\ 2x^9 = \dfrac{512x^8}{512x^8\sqrt{(2x^4)^2-1}} = -\dfrac{512x^8}{512x^8\sqrt{4x^{11}-1}} = \dfrac{-1}{\sqrt{4x^{11}-1}}$

* $y' = \text{arctang}\sqrt{2x} = \dfrac{(2x)^{1/2}}{1+(\sqrt{2x})^2} = \dfrac{(2x)^{1/2}}{1+2x}$

* $y' = \text{arcsce}\ 4x^9 = \dfrac{262.144}{4x^9\sqrt{(4x^9)^2-1}} = \dfrac{262,144}{4x^9\sqrt{16x^{11}-1}}$

* $y' = \text{arctang}\ 9x^8 = \dfrac{43.046,721x^7}{1+(9x^8)^2} = \dfrac{43,046,221x^7}{1+81x^{10}}$

* $y' = \text{arccsc}\ 12x^9 = \dfrac{-5,159,780,352}{5,159,780,352\sqrt{(12x^9)^2-1}} = \dfrac{-1}{\sqrt{144x^{11}-1}}$

* $y' = \text{arctang}\sqrt{2x^3} = \dfrac{2x}{1+(\sqrt{2x^3})^2} = \dfrac{2x}{1+2x^3}$

— Shady Lopez