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Grupo: A

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

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

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

$$\star y' = \text{arcsc} 2x^9 = \frac{512x^8}{512x^8\sqrt{(2x^9)^2-1}} = \frac{-512x^8}{512x^8\sqrt{4x^{18}-1}} = \frac{-1}{\sqrt{4x^{18}-1}}$$

$$\star y' = \text{arcsen}(9x^3+8) = \frac{729}{\sqrt{1-(9x^3+8)^2}} = \frac{729}{\sqrt{1-81x^6+64}}$$

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

$$\star y' = \text{arcsc} 4x^9 = \frac{262,144}{4x^9\sqrt{(4x^9)^2-1}} = \frac{262,144}{4x^9\sqrt{16x^{18}-1}}$$

$$\star y' = \text{arctang } 9x^8 = \frac{43,046,721x^7}{1+(9x^8)^2} = \frac{43,046,221x^7}{1+81x^{16}}$$

$$\star y' = \text{arcsc} 12x^9 = \frac{5,159,780,352}{5,159,780,352\sqrt{(12x^9)^2-1}} = \frac{-1}{\sqrt{144x^{18}-1}}$$

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

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