DERIVADAS VARIADAS

5 $f(x) = 2x^4 + x^2 - x^2 + 4$

6 $f(x) = \dfrac{x^3 + 2}{3}$

7 $f(x) = \dfrac{1}{3x^2}$

8 $f(x) = \dfrac{x+1}{x-1}$

9 $f(x) = (5x^2 - 3) \cdot (x^2 + x + 4)$

1 $f(x) = \ln(2x^4 - x^3 + 3x^2 - 3x)$

2 $f(x) = \ln\left(\dfrac{e^x + 1}{e^x - 1}\right)$

3 $f(x) = \log\sqrt{\dfrac{1+x}{1-x}}$

4 $f(x) = \ln\sqrt{x(1-x)}$

1 $f(x) = 10^{\sqrt{x}}$

2 $f(x) = e^{3-x^2}$

3 $f(x) = \dfrac{e^x + e^{-x}}{2}$

4 $f(x) = 3^{2x^2} \cdot \sqrt{x}$

5 $f(x) = \dfrac{e^{2x}}{x^2}$

3 $f(x) = 3\,tg\,2x$

4 $f(x) = \sec(5x + 2)$

5 $f(x) = \sqrt[3]{sen\,x}$

6 $f(x) = sen^3\,3x$

7 $f(x) = cotg\,(3 - 2x)$

8 $f(x) = \cos\dfrac{x+1}{x-1}$

1 $f(x) = arc\,sen\,(1 - 2x^2)$

2 $f(x) = arc\,sen\,\sqrt{x^2 - 4}$

3 $f(x) = arc\,cos\,e^x$

4 $f(x) = arc\,tg\,\sqrt{x}$

5 $f(x) = arctg\,\dfrac{1+x}{1-x}$

1 $f(x) = \ln sen\,x$

2 $f(x) = \ln\cos 2x$

3 $f(x) = \ln\,tg\,(1 - x)$

4 $f(x) = \ln\sqrt{\dfrac{1 + sen\,x}{1 - sen\,x}}$

5 $f(x) = sen\sqrt{\ln(1 - 3x)}$

6 $f(x) = tg\left(sen\,\sqrt{5x}\right)$

7 $f(x) = sen^2\,(\cos 2x)$