s)
$$4 = 0$$
6) $\sqrt{\times} = \frac{1}{2\sqrt{\times}}$

$$\sqrt[3]{\sqrt{x^2} - x^3} = \frac{2}{3} \times \sqrt[3]{x}$$

$$\frac{x^{2} + 1 - J \cdot N \cdot (2x) \cdot X}{COJ(x)^{2} \cdot (x^{2} + 1)^{2}}$$

$$\frac{COJ(x)^{2} \cdot (x^{2} + 1)^{2}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} - e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x} \cdot N \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x} \cdot e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^{2}} \frac{e^{x}}{(e^{x})^{2}} = \frac{1}{(e^{x})^$$

$$=\frac{1}{2}\frac{\cos x}{\sin x} - \frac{\sin x}{\sin x} - \frac{\cos x}{\sin x} - 1$$

$$14) - 3x^{2} + 3 = -6x$$

$$15) x^{3} - 2\cos x + \frac{M}{2} = 3x^{2} + 2\sin x$$

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

17)
$$5x^3 \cdot e^{\times} \implies 75x^3 \cdot e^{\times} + 5x^3 \cdot e^{\times} \implies$$

$$16) \quad \frac{x^{2}}{2-x^{3}} = y \quad \frac{2x \cdot (2-x^{3}) - x^{2} \cdot (-3x^{2})}{(2-x^{3})^{2}} = y \quad \frac{2x \cdot (2-x^{3})}{(2-x^{3})^{2}}$$

$$\frac{-1}{(2-x^3)^2} = \frac{4x + 2x^4}{(2-x^3)^2}$$

DELIVATE COMPOSTE

PER SEMPLIFICANE IL RAGIONA MENTO POSSIAMO RIJUNENE.

$$\frac{1}{x^{2}t^{2}} \cdot 2x \Rightarrow \frac{2x}{x^{2}t^{2}}$$

ETE-(151

$$\frac{1}{1}\left(x^{5}-2x\right)^{3}=53\left(x^{3}-2x\right)\cdot\left(3x^{2}-2\right)$$

2)
$$e^{4x} = y e^{4x} \cdot 4 = y \cdot 4 e^{4x}$$

3)
$$ln(x^2-1) + 5 = > \frac{1}{x^2-1} \cdot 2X = > \frac{2x}{x^2-1}$$

s)
$$e^{\frac{2x}{x-1}} = e^{\frac{2x}{x-1}}$$
 $e^{\frac{2x}{x-1}}$ $e^{\frac{2x}{x-1}}$ $e^{\frac{2x}{x-1}}$ $e^{\frac{2x}{x-1}}$ $e^{\frac{2x}{x-1}}$

$$\frac{2X}{e^{X-1}} \cdot \left[\frac{2X-2-2X}{(X-7)^2} \right] = \left[\frac{2X}{e^{X-1}} \cdot \left[-\frac{2}{(X-1)^2} \right] \right]$$

$$\frac{-2}{(x-1)^2}$$

6)
$$4 \ln 3x + \ln x \Rightarrow 1 \cdot \left[\frac{1}{3x} \cdot 3\right] + \frac{1}{x} \Rightarrow \frac{5}{x}$$

$$\frac{7}{2} e^{x^2-2} = \frac{2}{2} e^{x^2-2} \cdot 2x = \frac{2}{2} 2x e^{x^2-2}$$

8)
$$ln(2x^2-x) = \frac{1}{2x^2-x}$$
, $ax-1 = \frac{4x-1}{2x^2-x}$