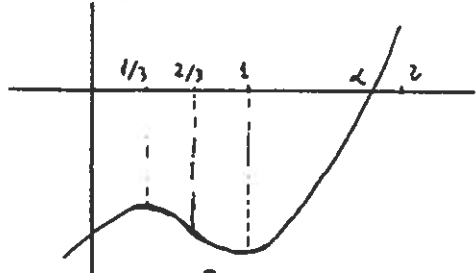
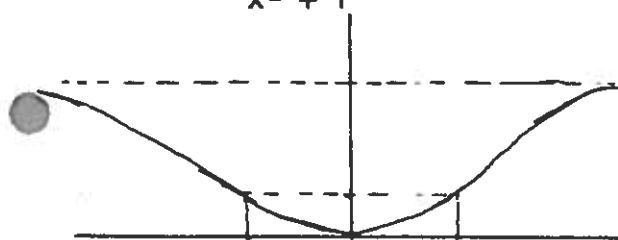


FUNCIONES. ESTUDIO Y REPRESENTACION

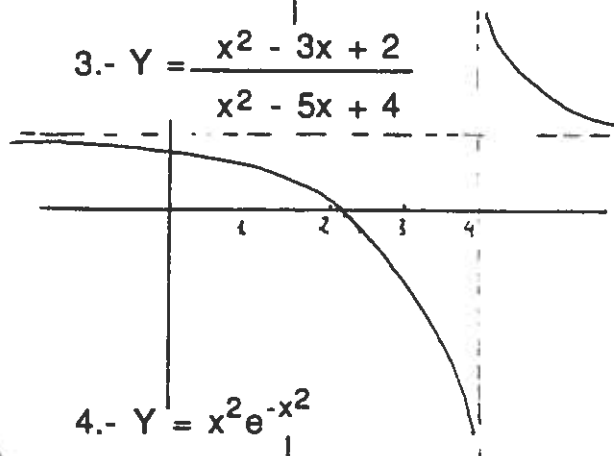
1.- $Y = x^3 - 2x^2 + x - 1$



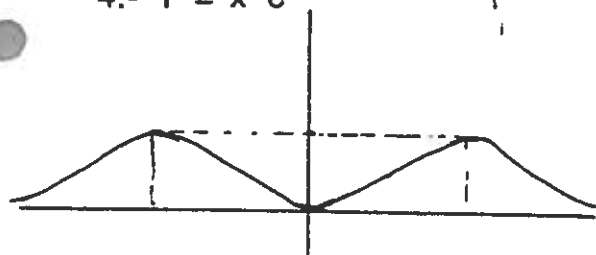
2.- $Y = \frac{x^2}{x^2 + 1}$



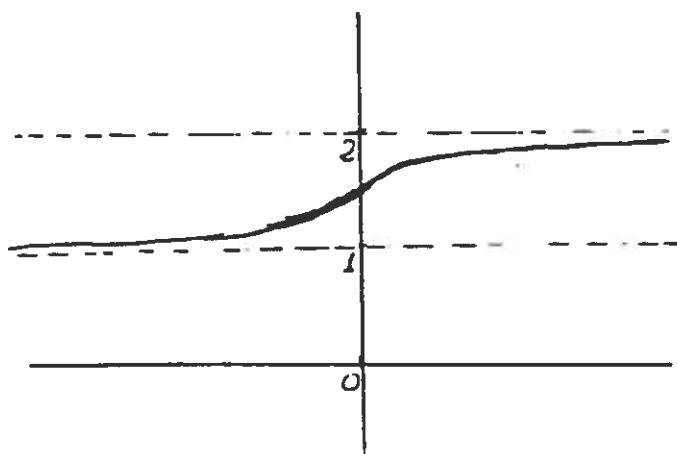
3.- $Y = \frac{x^2 - 3x + 2}{x^2 - 5x + 4}$



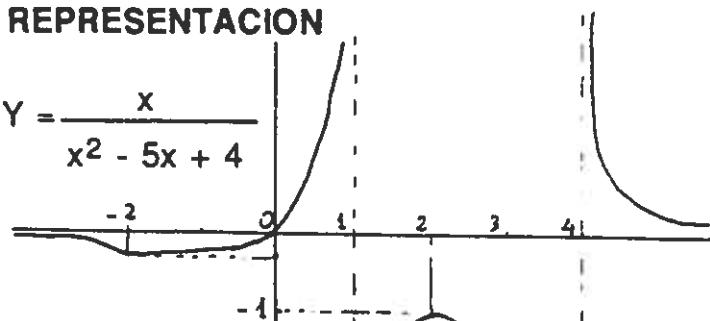
4.- $Y = x^2 e^{-x^2}$



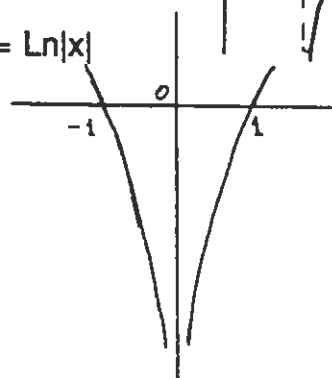
5.- $Y = \frac{1}{1 + e^{-x}} + 1$



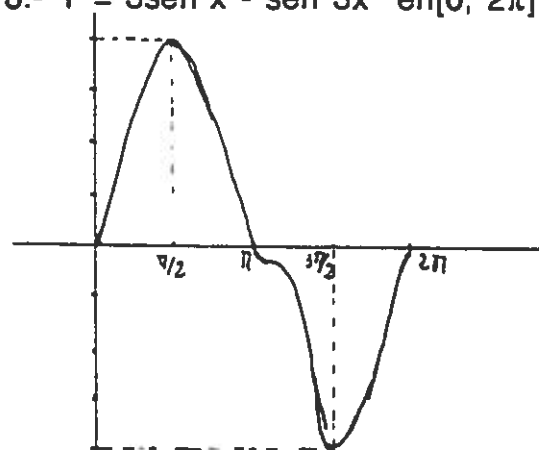
6.- $Y = \frac{x}{x^2 - 5x + 4}$



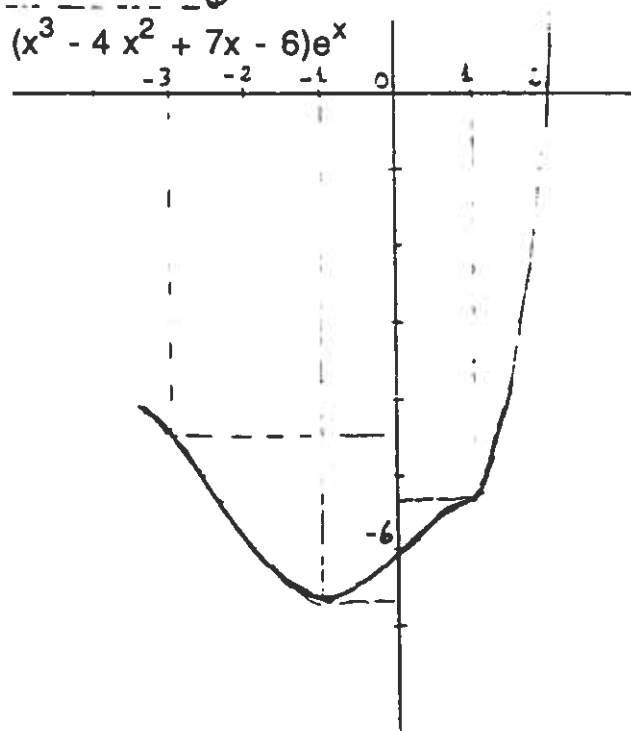
7.- $Y = \ln|x|$



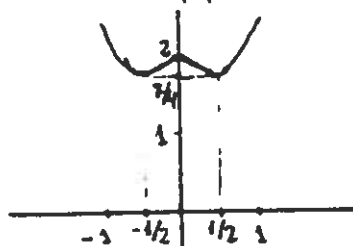
8.- $Y = 3\sin x - \sin 3x \quad \text{en } [0, 2\pi]$



9.- $Y = (x^3 - 4x^2 + 7x - 6)e^x$



$$7.- Y = x^2 - |x| + 2$$



$$11.- Y = x^3 - 2x^2 + 1$$

$$12.- y = x^3 - 6x^2 + 9x - 8$$

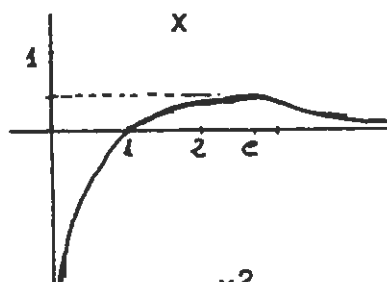
$$13.- Y = 2x^2 + \ln x$$

$$14.- Y = |4 - x^2|$$

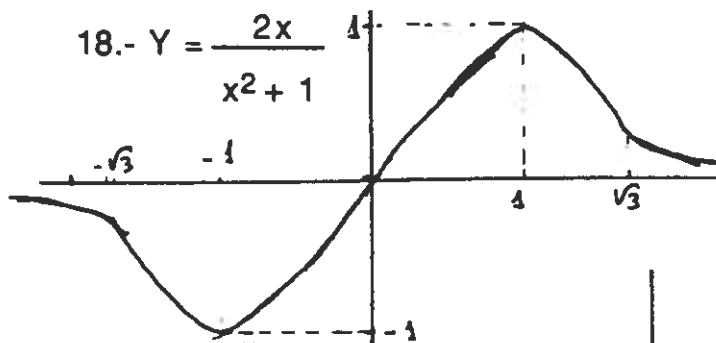
$$15.- Y = x^3 - 2x^2 + x - 1$$

$$16.- Y = x^3 - 6x^2 + 9x - 1$$

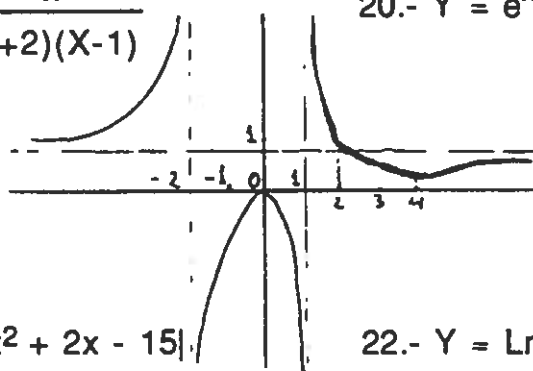
$$17.- Y = \frac{\ln x}{x}$$



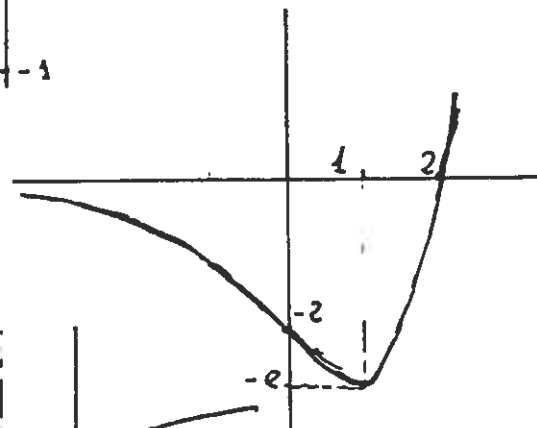
$$18.- Y = \frac{2x}{x^2 + 1}$$



$$19.- Y = \frac{x^2}{(x+2)(x-1)}$$



$$20.- Y = e^x(x-2)$$

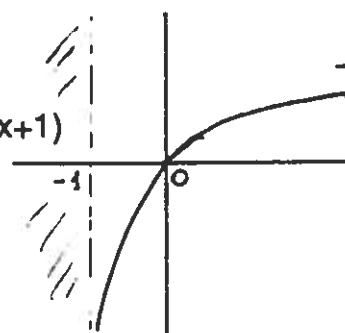


$$21.- Y = |x^2 + 2x - 15|$$

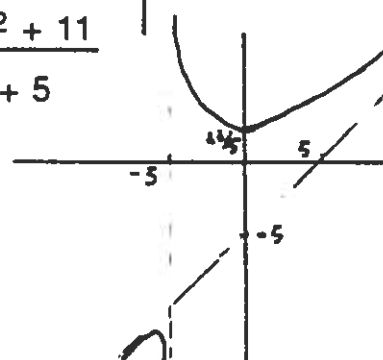
$$23.- Y = \frac{\sin x}{x}$$



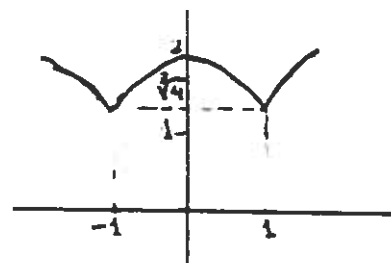
$$22.- Y = \ln(x+1)$$



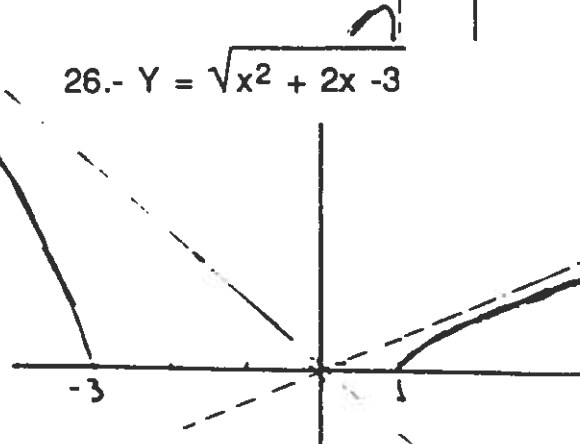
$$24.- Y = \frac{x^2 + 11}{x + 5}$$



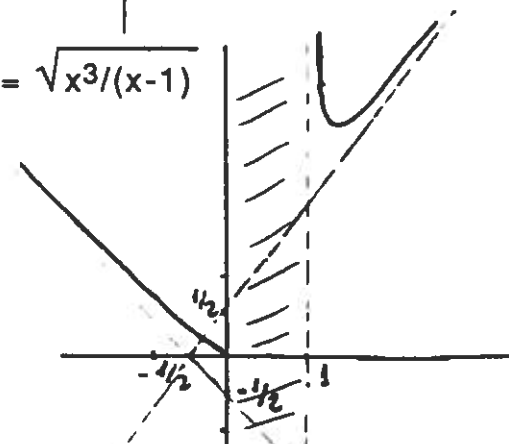
$$25.- Y = \sqrt[3]{(x+1)^2} + \sqrt[3]{(x-1)^2}$$



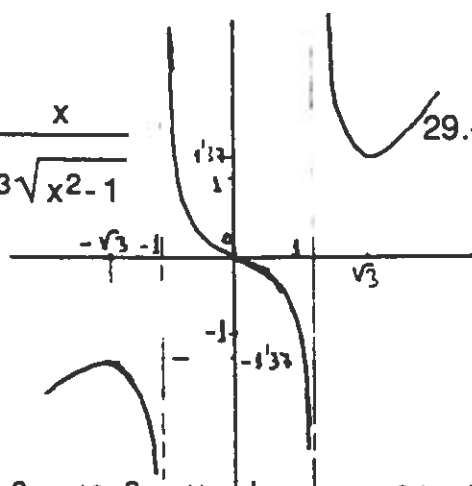
$$26.- Y = \sqrt{x^2 + 2x - 3}$$



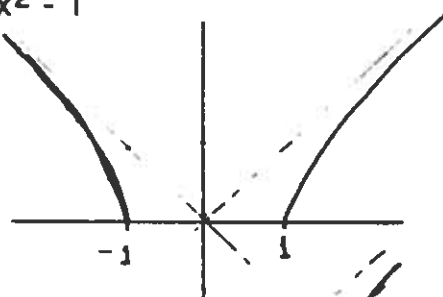
$$27.- Y = \sqrt{x^3/(x-1)}$$



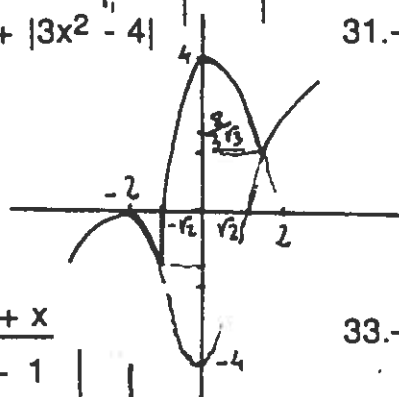
$$28.- Y = \frac{x}{3\sqrt{x^2-1}}$$



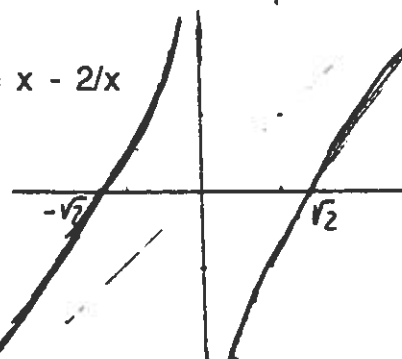
$$29.- Y = \sqrt{x^2-1}$$



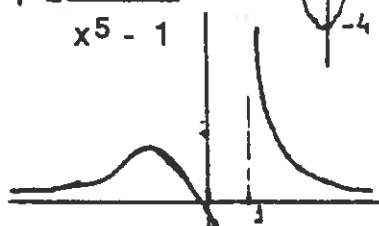
$$30.- Y = x^3 + |3x^2 - 4|$$



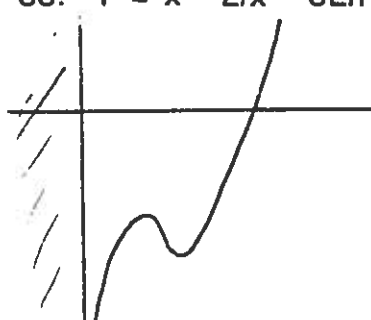
$$31.- Y = x - 2/x$$



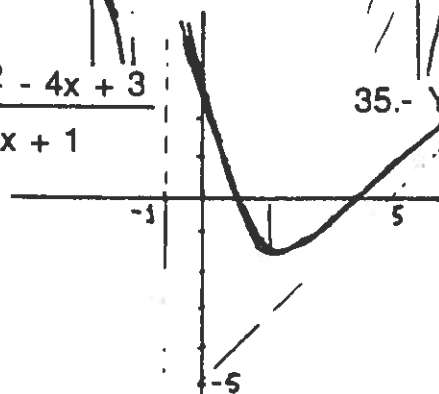
$$32.- Y = \frac{x^3 + x}{x^5 - 1}$$



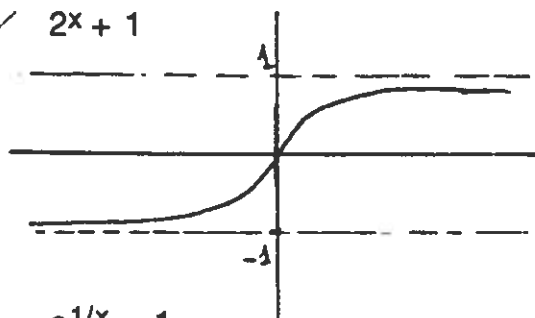
$$33.- Y = x - 2/x - 3\ln x$$



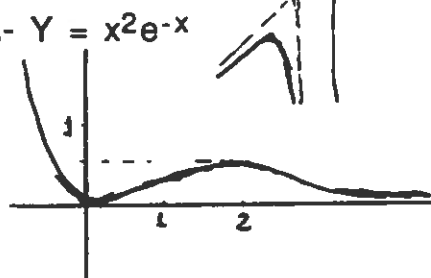
$$34.- Y = \frac{x^2 - 4x + 3}{x + 1}$$



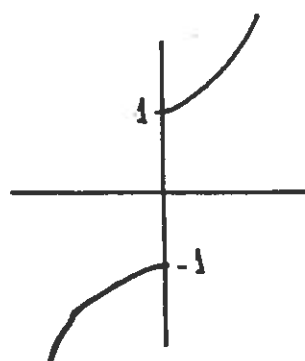
$$35.- Y = \frac{2^x - 1}{2^x + 1}$$



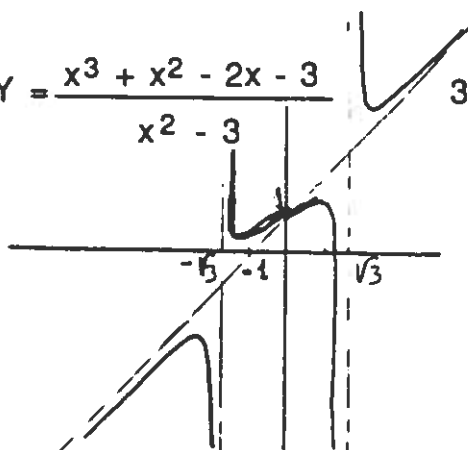
$$36.- Y = x^2 e^{-x}$$



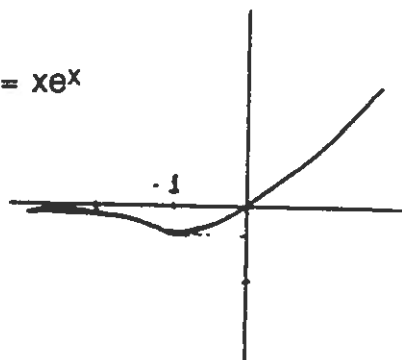
$$37.- Y = \frac{e^{1/x} + 1}{e^{1/x} - 1}$$



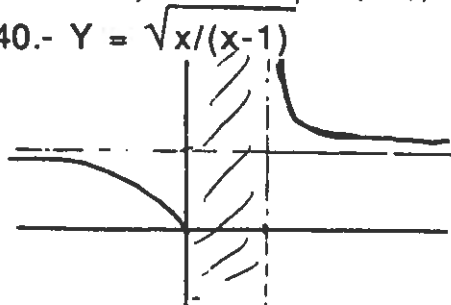
38.- $Y = \frac{x^3 + x^2 - 2x - 3}{x^2 - 3}$



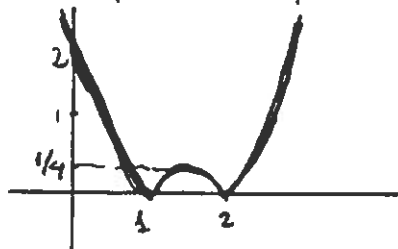
39.- $Y = xe^x$



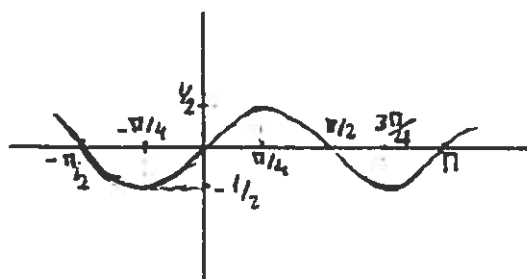
40.- $Y = \sqrt{x/(x-1)}$



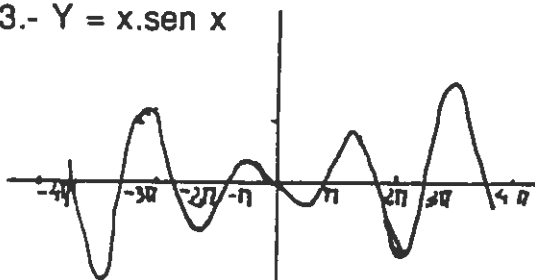
41.- $Y = |x^2 - 3x + 2|$



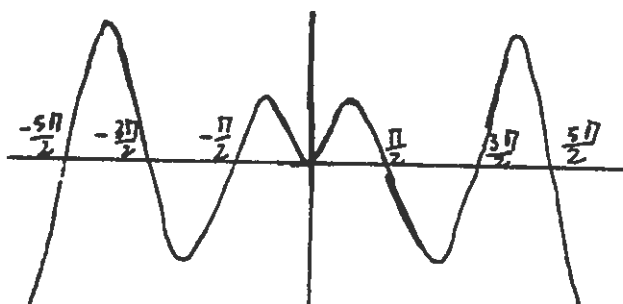
42.- $Y = \sin x \cdot \cos x$



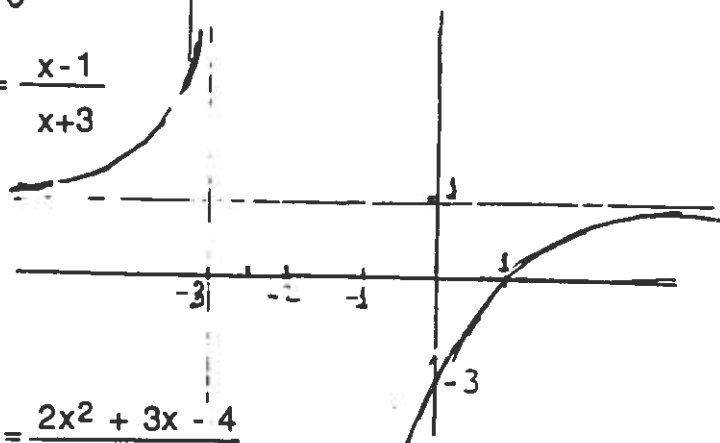
43.- $Y = x \cdot \sin x$



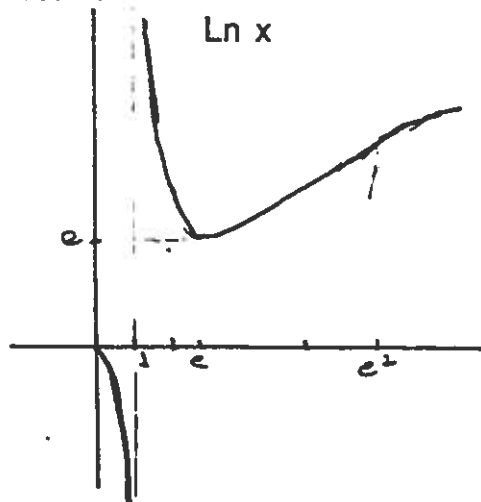
44.- $Y = x^2 \cdot \cos x$



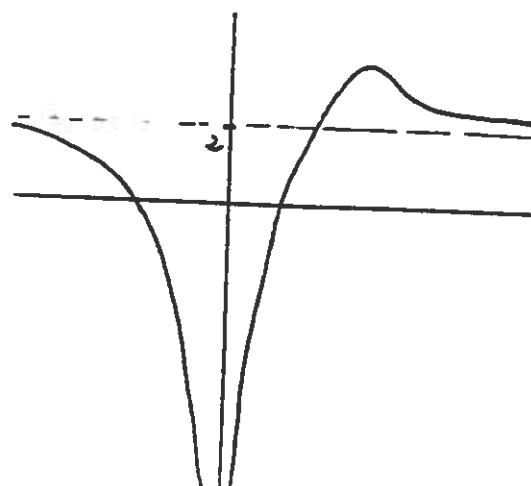
45.- $Y = \frac{x-1}{x+3}$



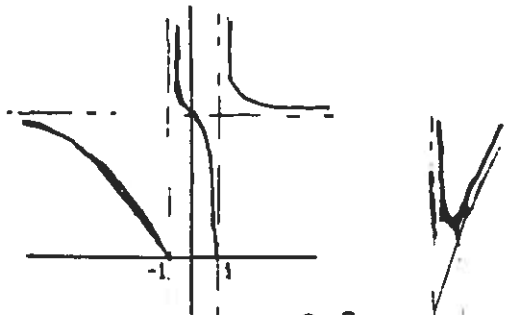
46.- $Y = \frac{x}{\ln x}$



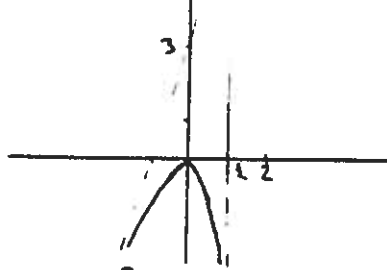
47.- $Y = \frac{2x^2 + 3x - 4}{x^2}$



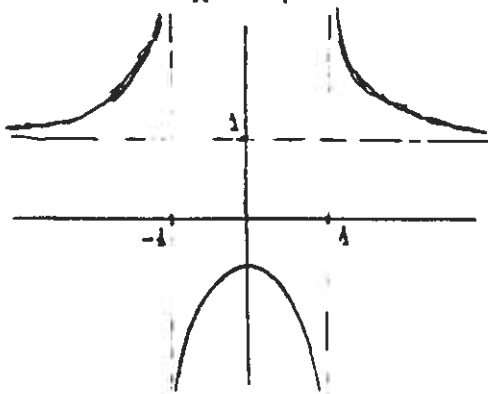
$$48.- Y = e^{2x/(x^2-1)}$$



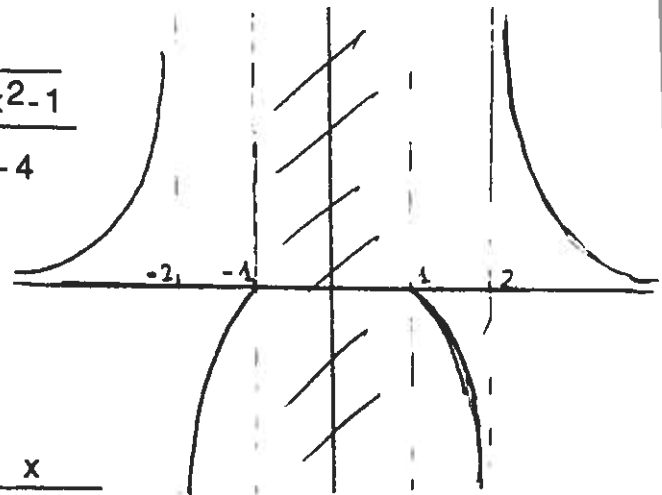
$$50.- Y = \frac{3x^2}{x-1}$$



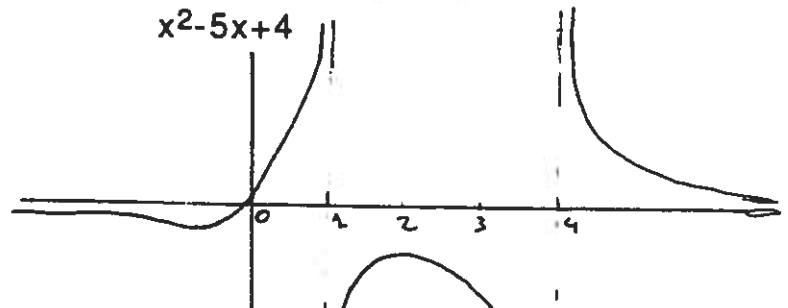
$$52.- Y = \frac{x^2+1}{x^2-1}$$



$$49.- Y = \frac{\sqrt{x^2-1}}{x^2-4}$$



$$51.- Y = \frac{x}{x^2-5x+4}$$



$$53.- Y = \frac{4}{\sqrt{4-x^2}}$$

