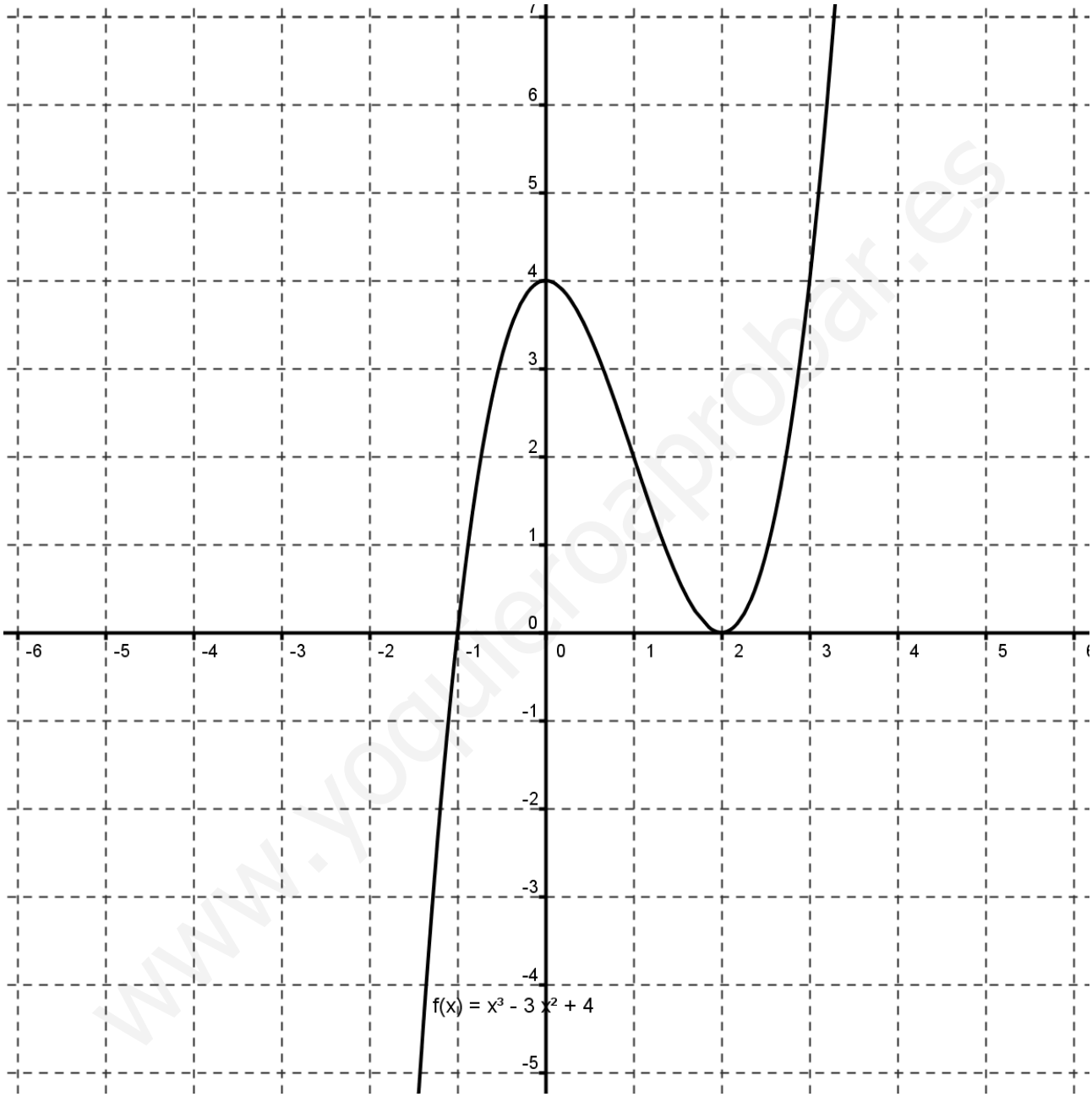
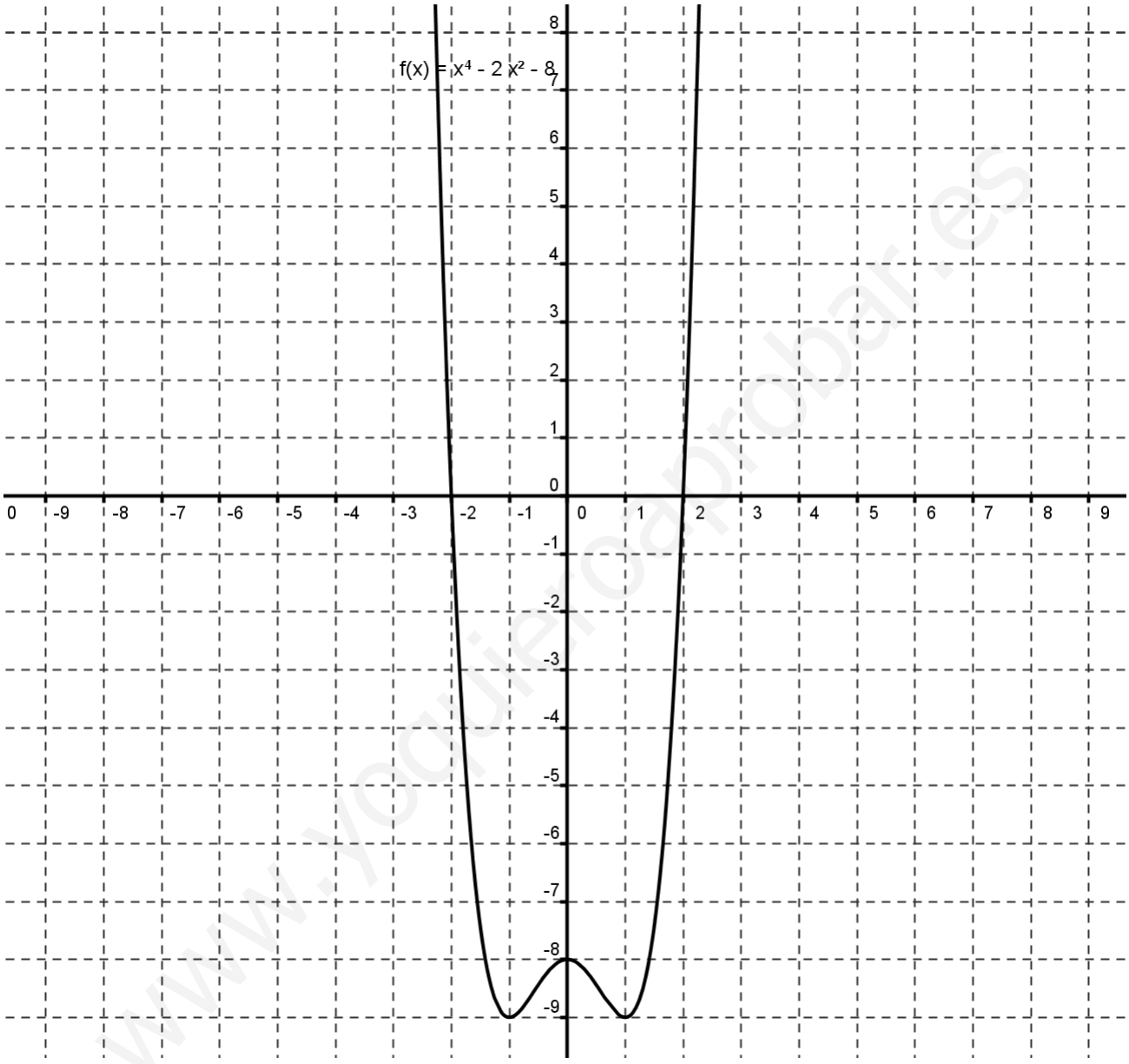
REPRESENTA GRÁFICAMENTE LAS SIGUIENTES FUNCIONES (REALIZA PREVIAMENTE EL ESTUDIO DE TODAS SUS CARACTERÍSTICAS)

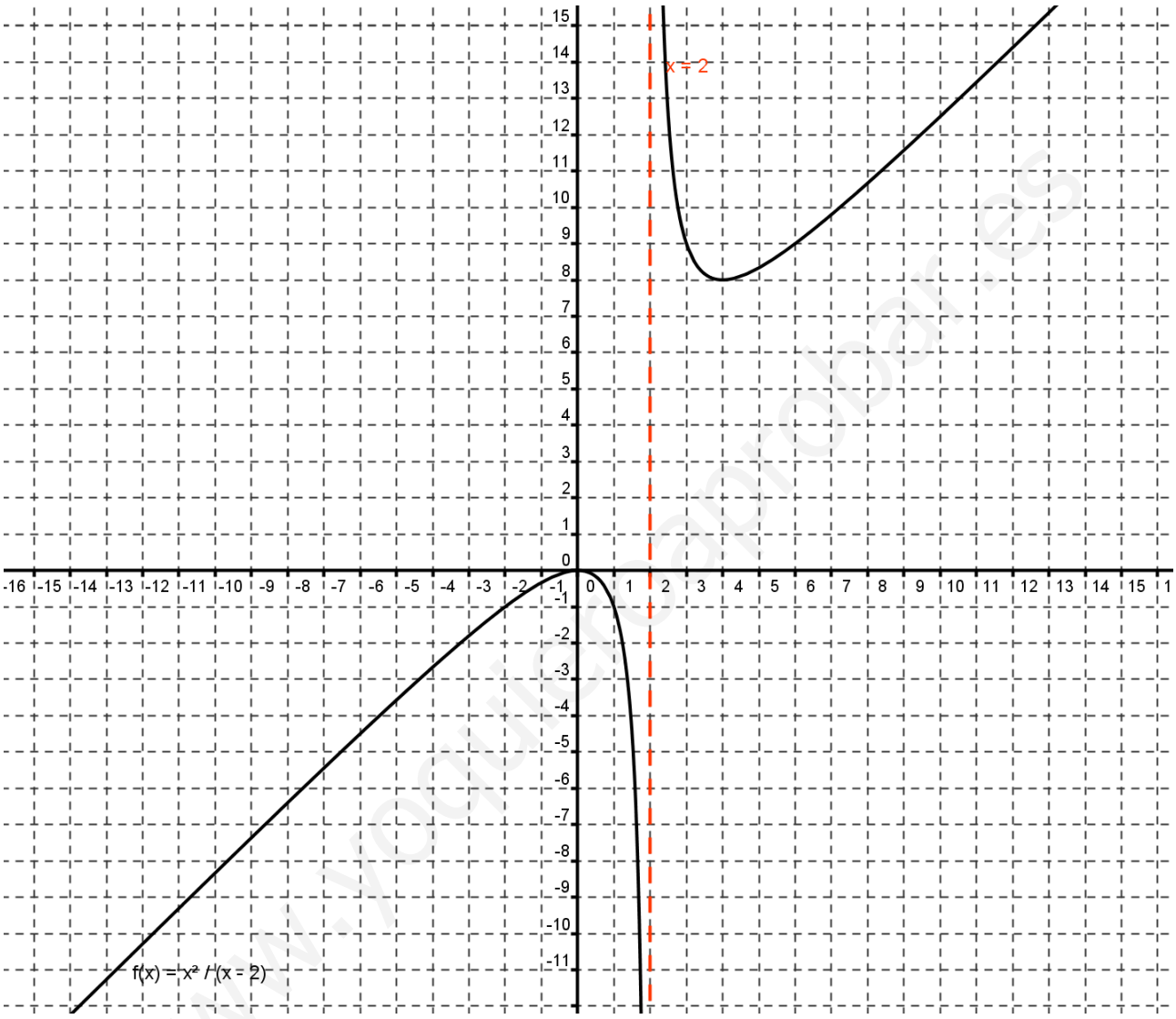
1. $f(x) = x^3 - 3x^2 + 4$



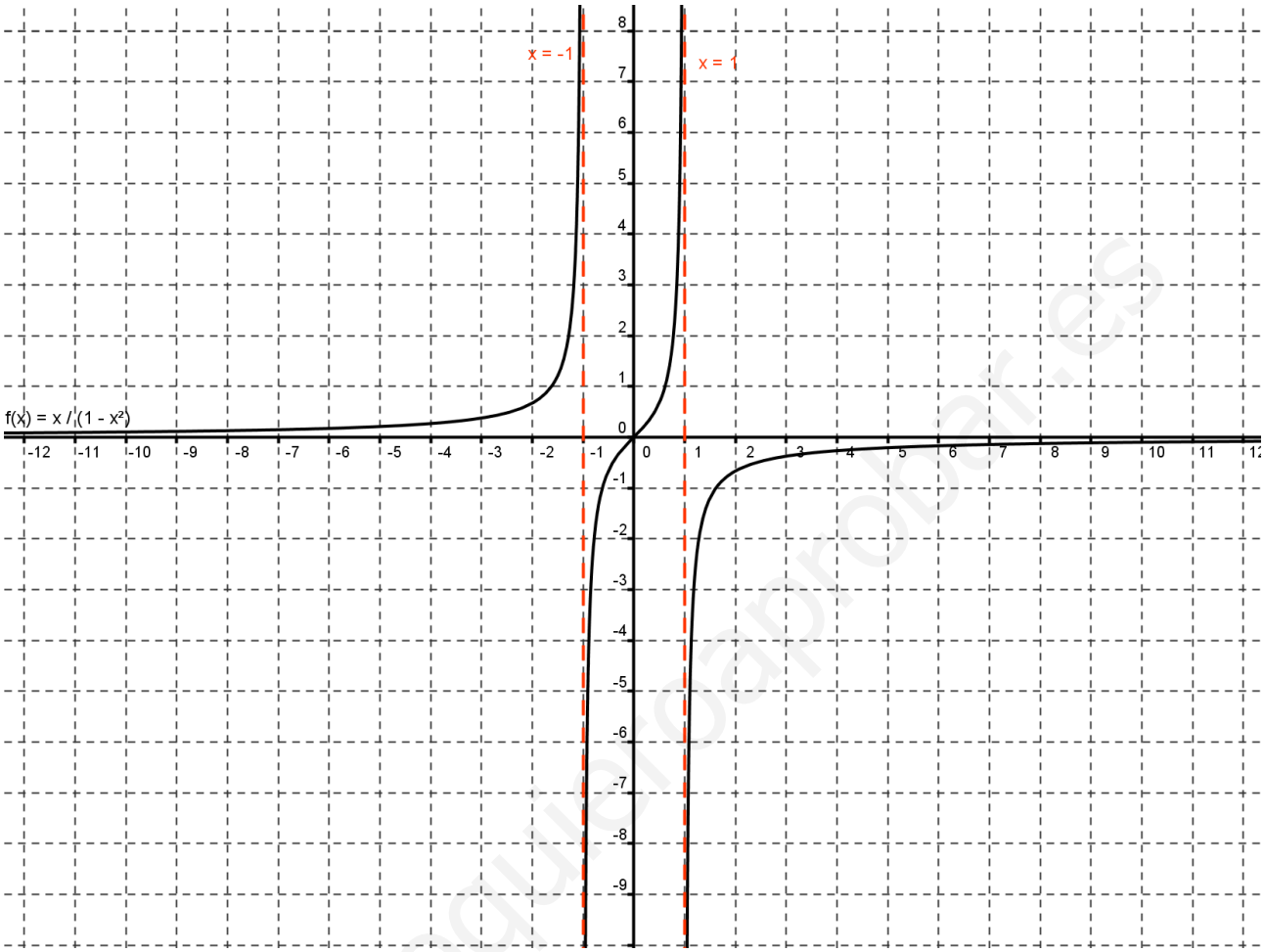
2. $f(x) = x^4 - 2x^2 - 8$



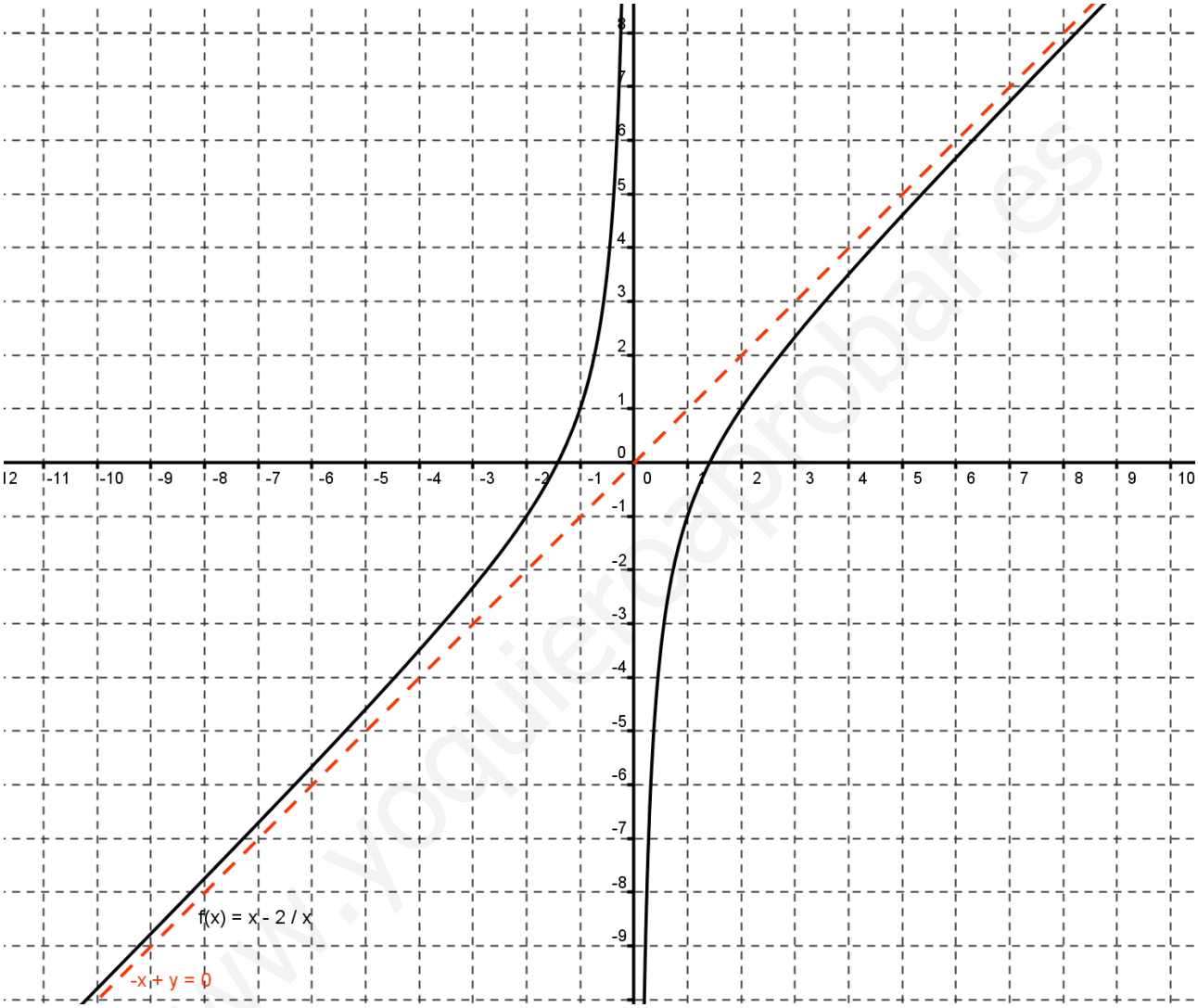
3. $f(x)=\dfrac{x^2}{x-2}$



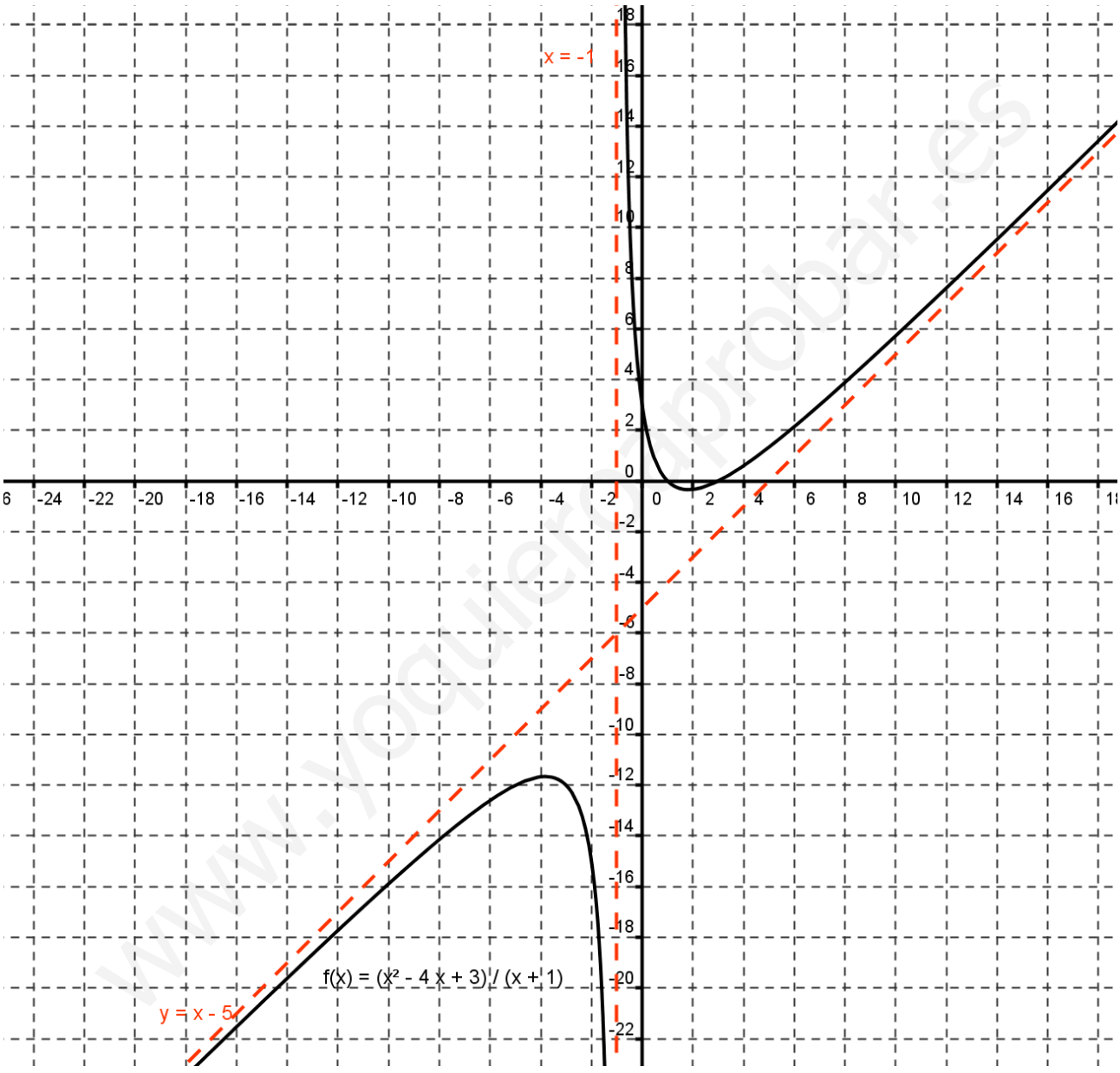
4. $f(x)=\dfrac{x}{1-x^2}$



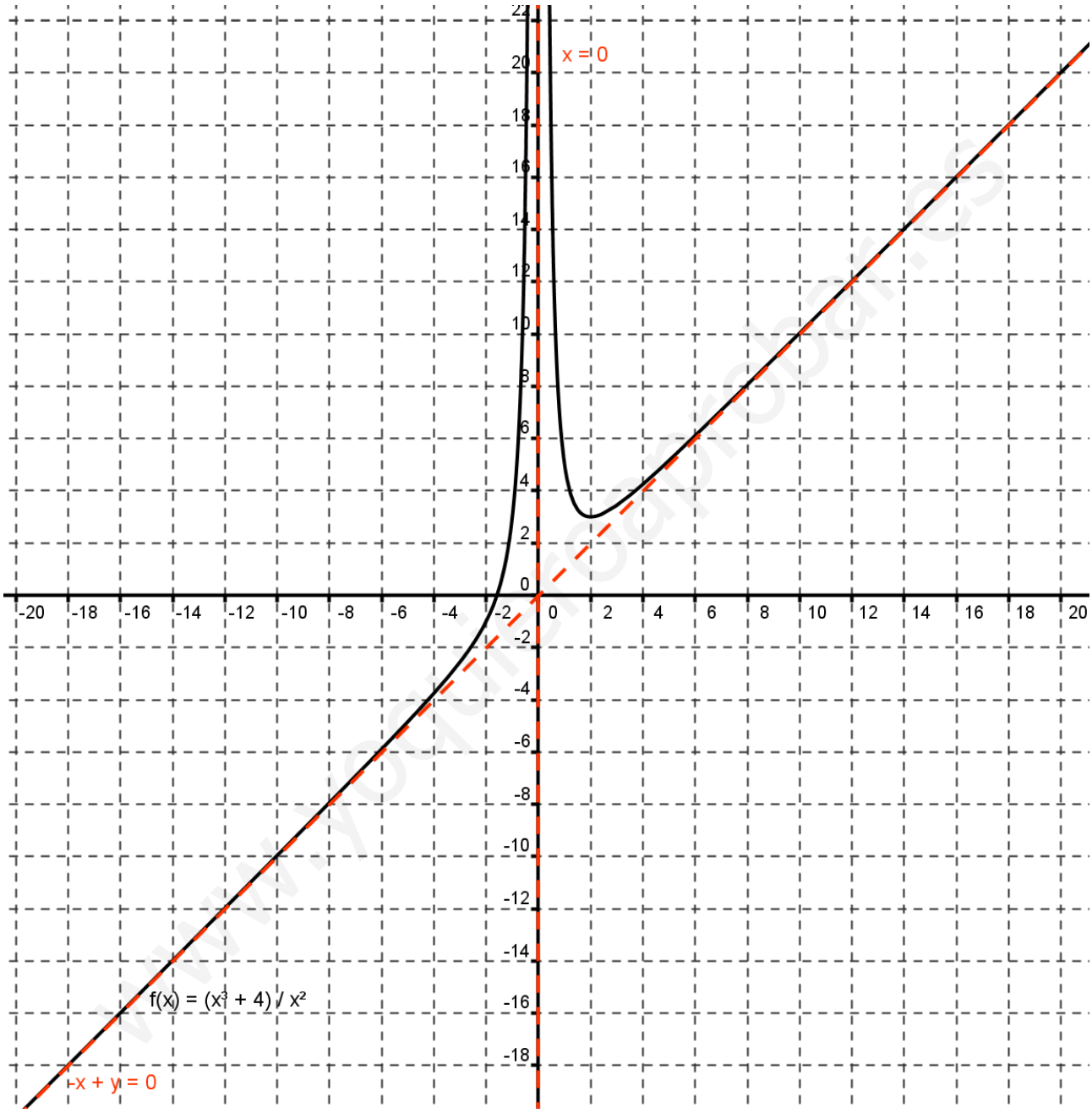
5. $f(x) = x - \frac{2}{x}$



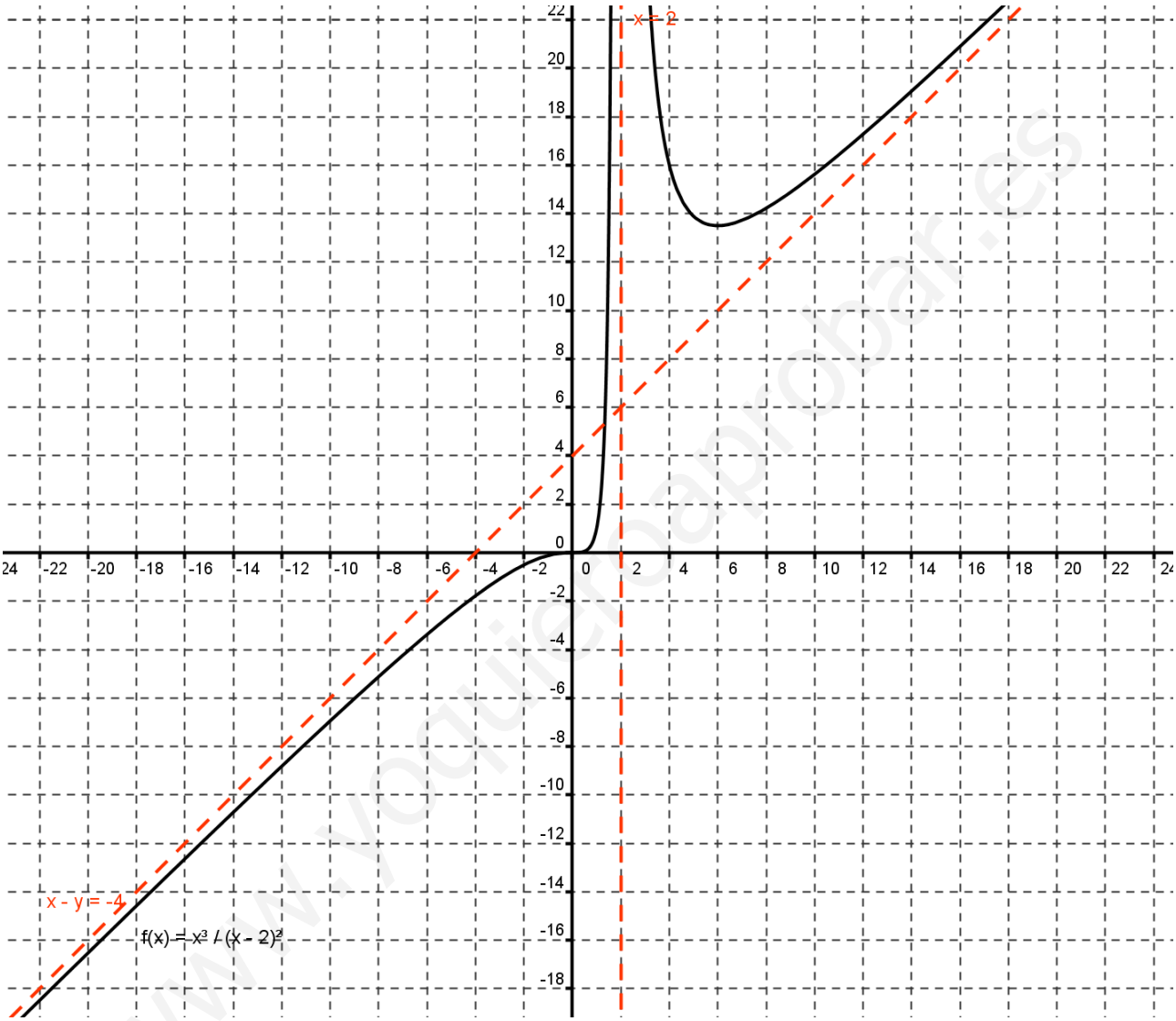
6. $f(x)=\dfrac{x^2-4x+3}{x+1}$



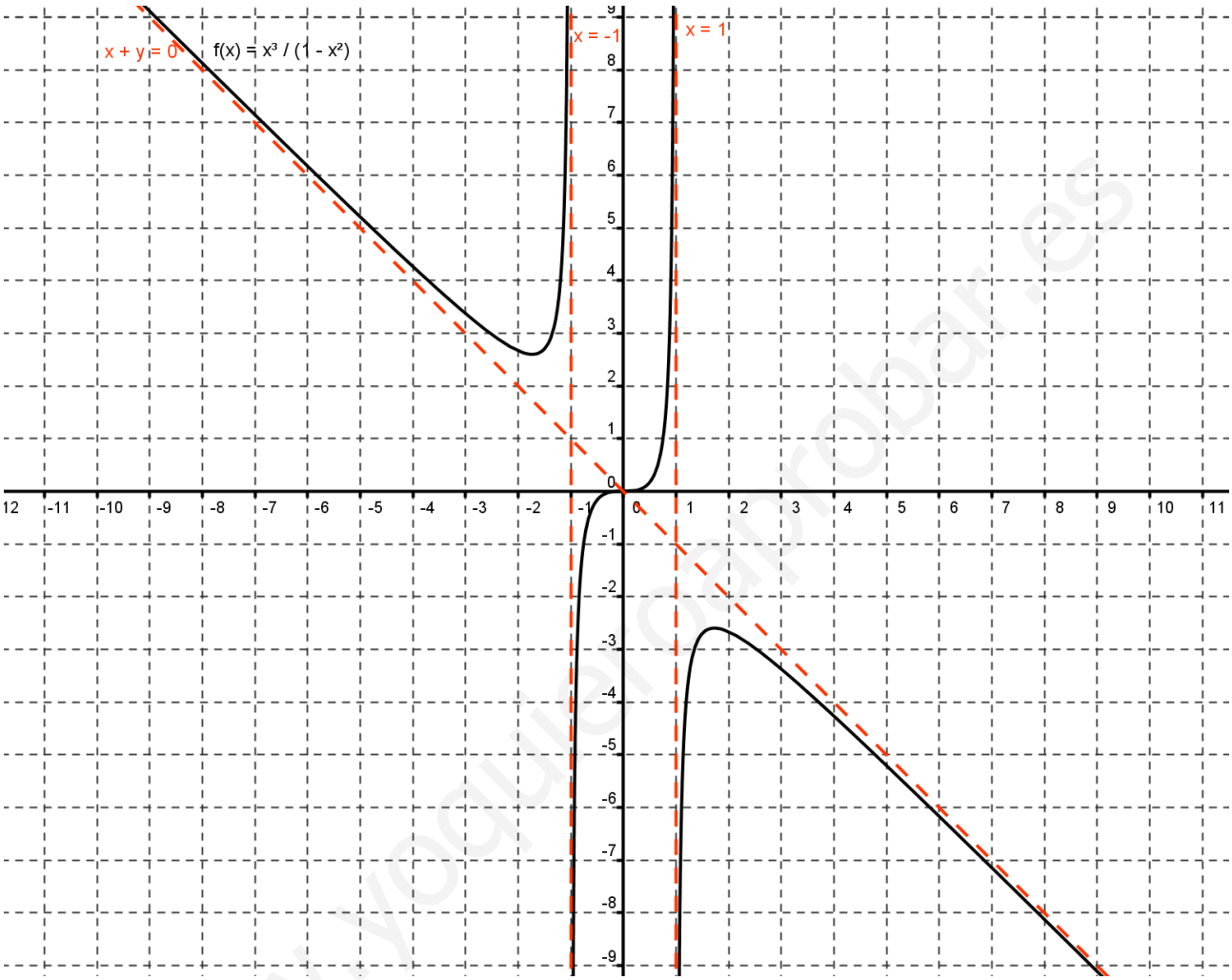
7. $f(x)=\dfrac{x^3+4}{x^2}$



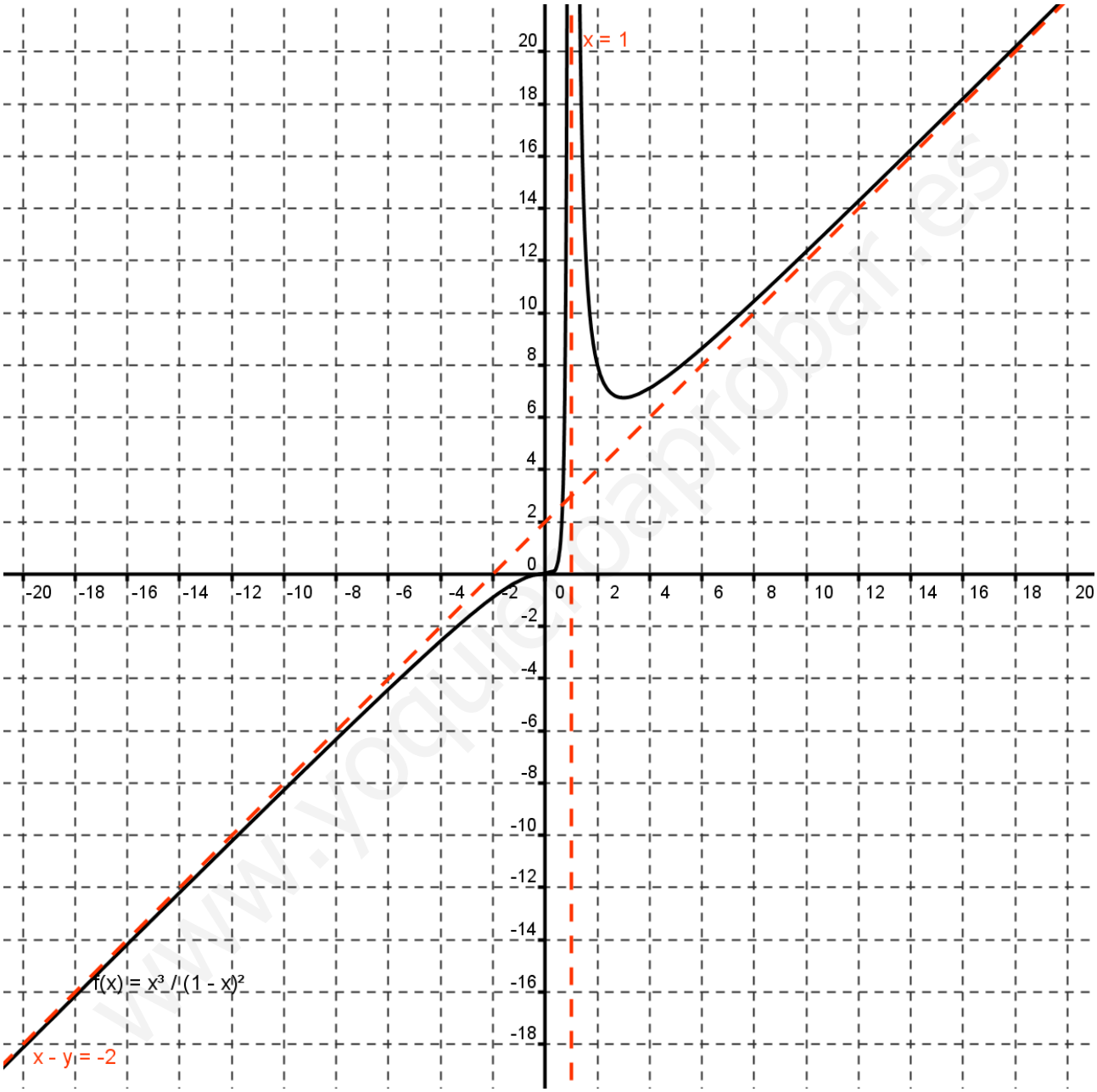
8. $f(x)=\dfrac{x^3}{(x-2)^2}$



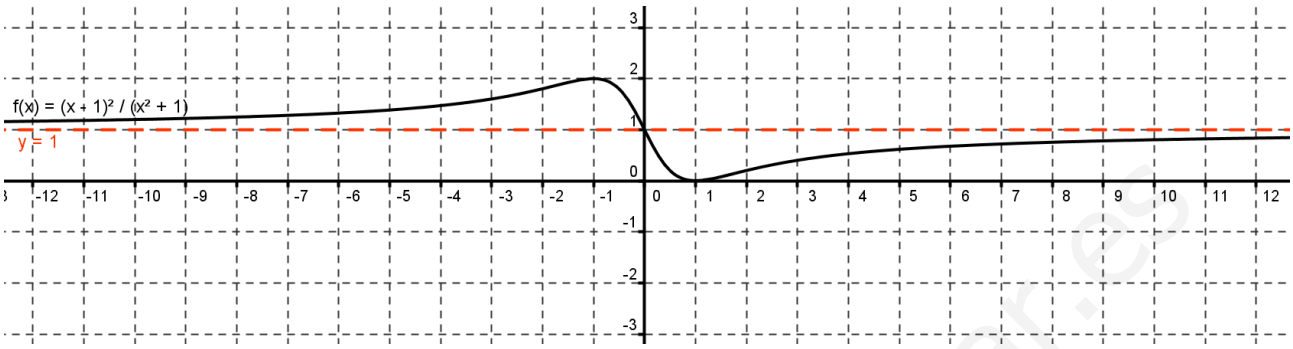
9. $f(x)=\dfrac{x^3}{1-x^2}$



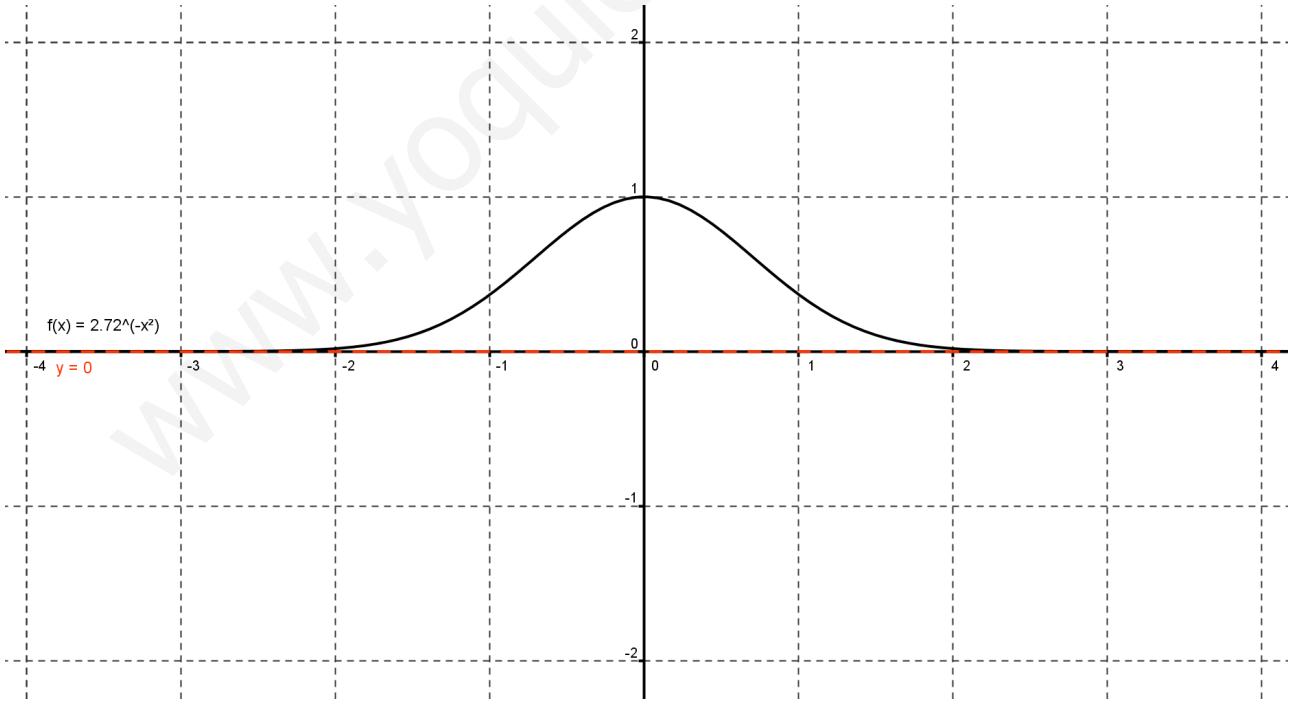
10. $f(x)=\dfrac{x^3}{(1-x)^2}$



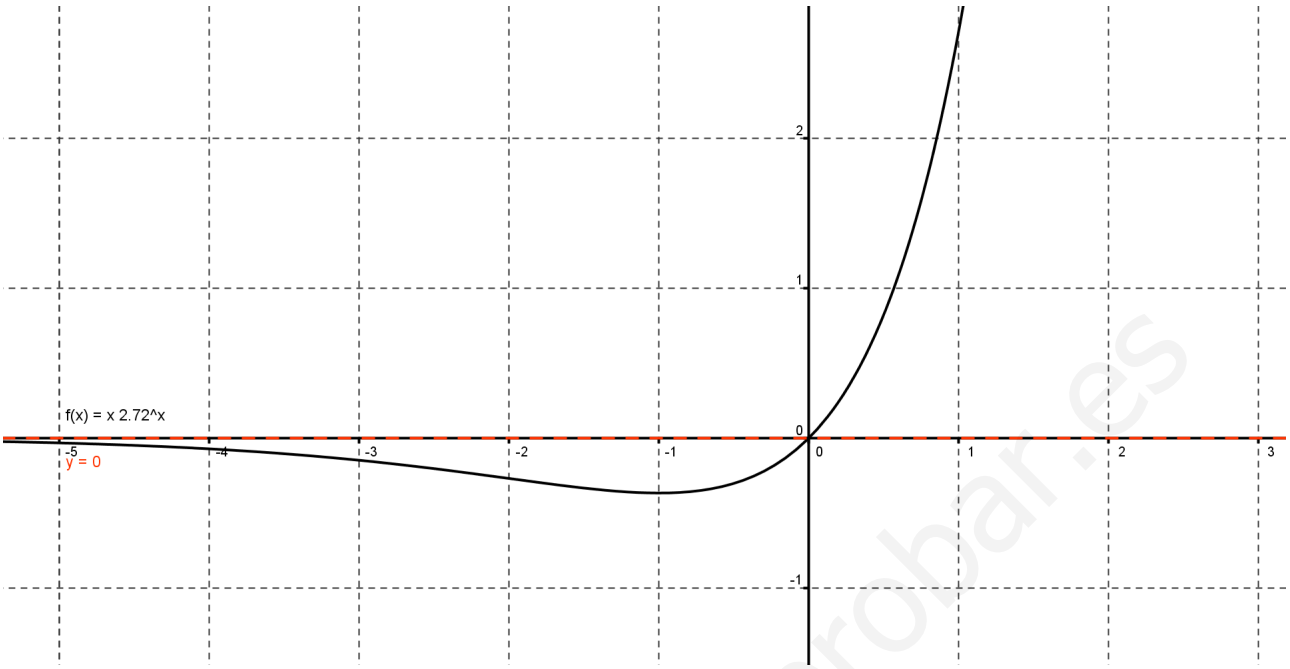
11. $f(x)=\dfrac{(x-1)^2}{x^2+1}$



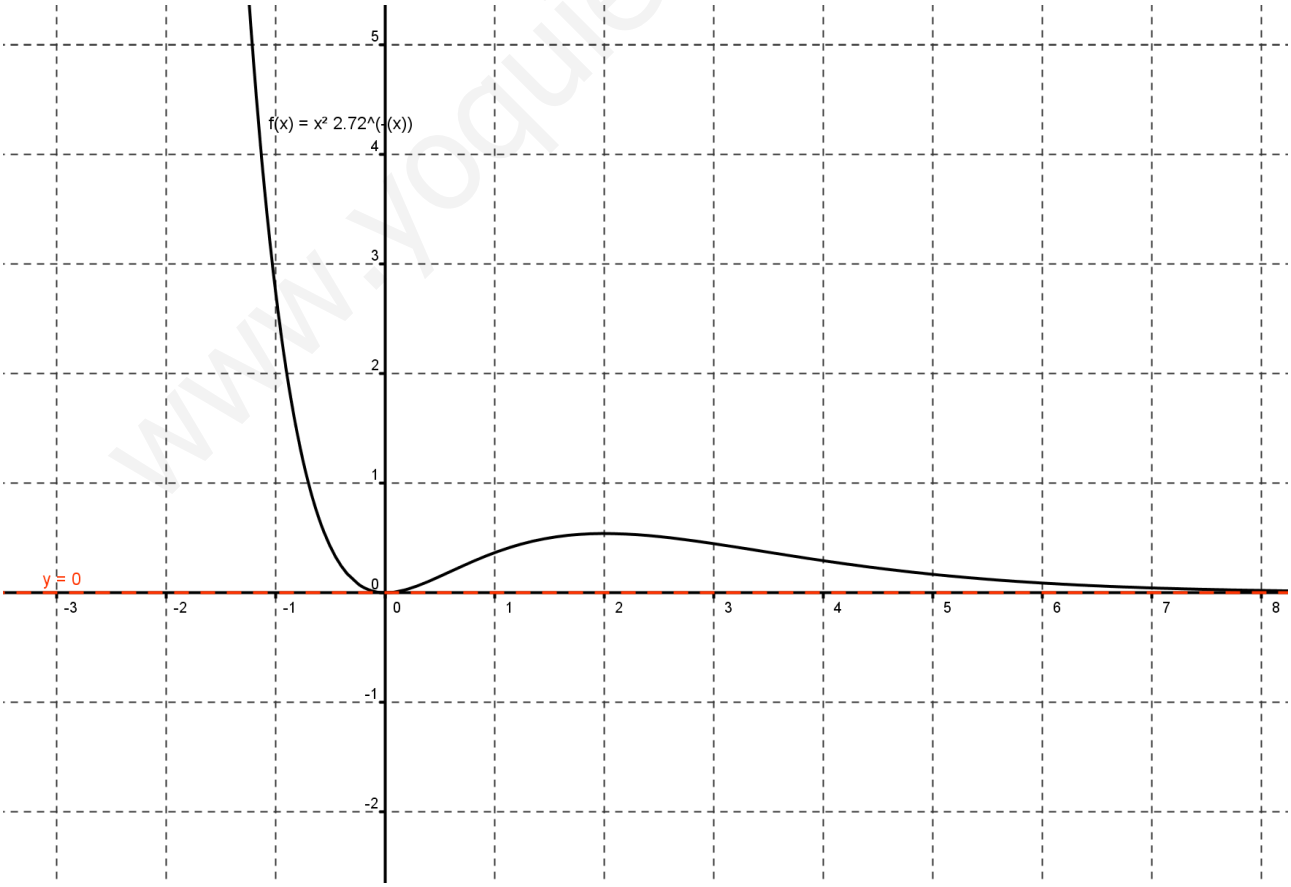
12. $f(x)=e^{-x^2}$



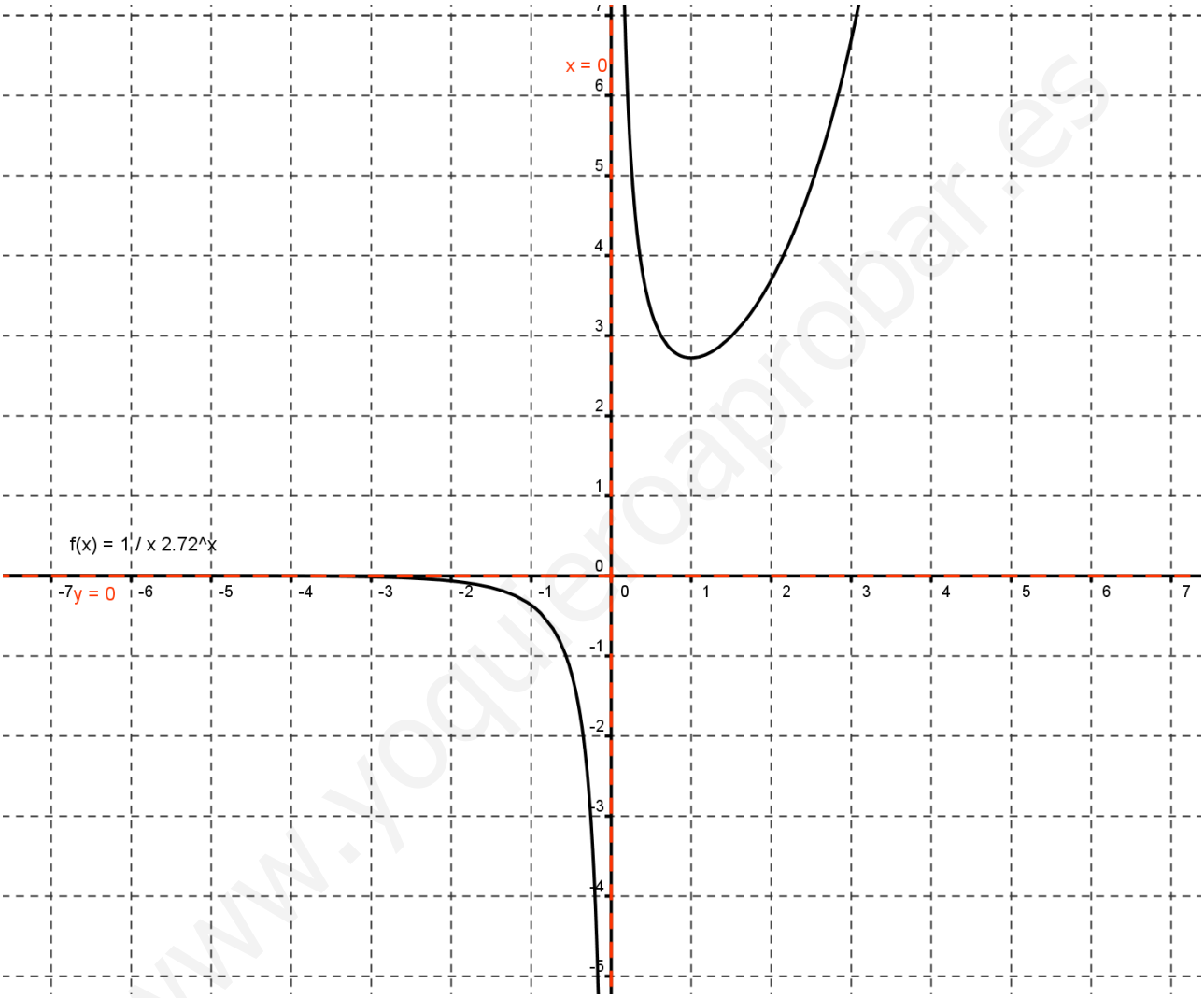
13. $f(x) = x \cdot e^x$



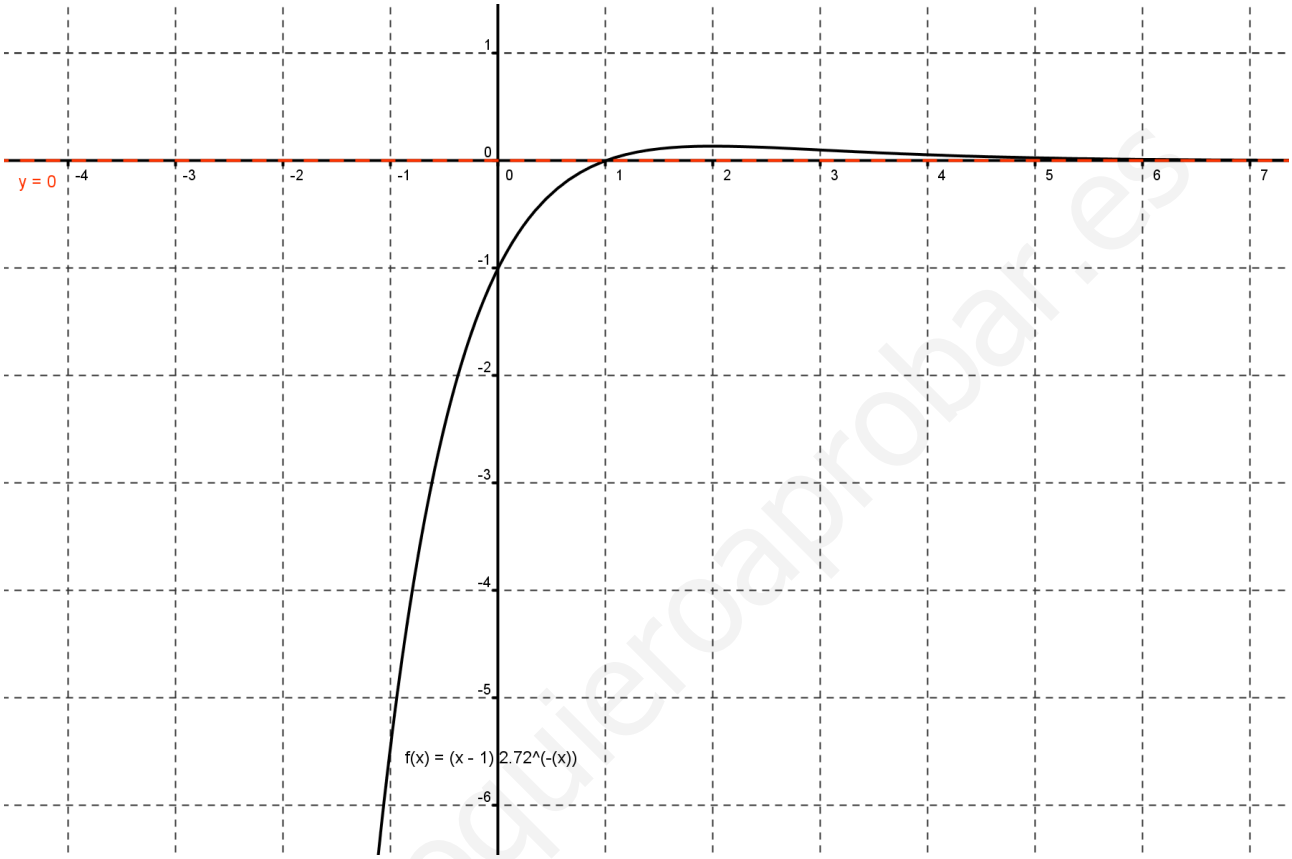
14. $f(x) = x^2 \cdot e^{-x}$



15. $f(x)=\frac{1}{x}\cdot e^{x}$

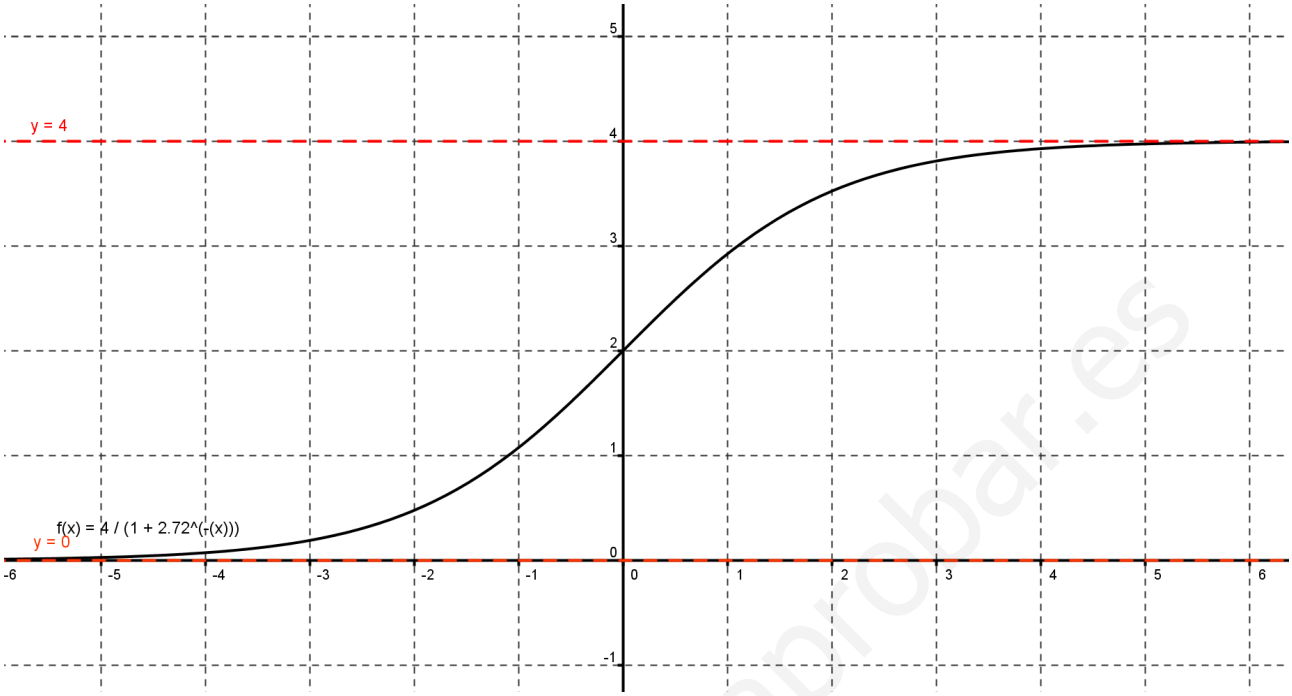


16. $f(x) = (x-1)\cdot e^{-x}$

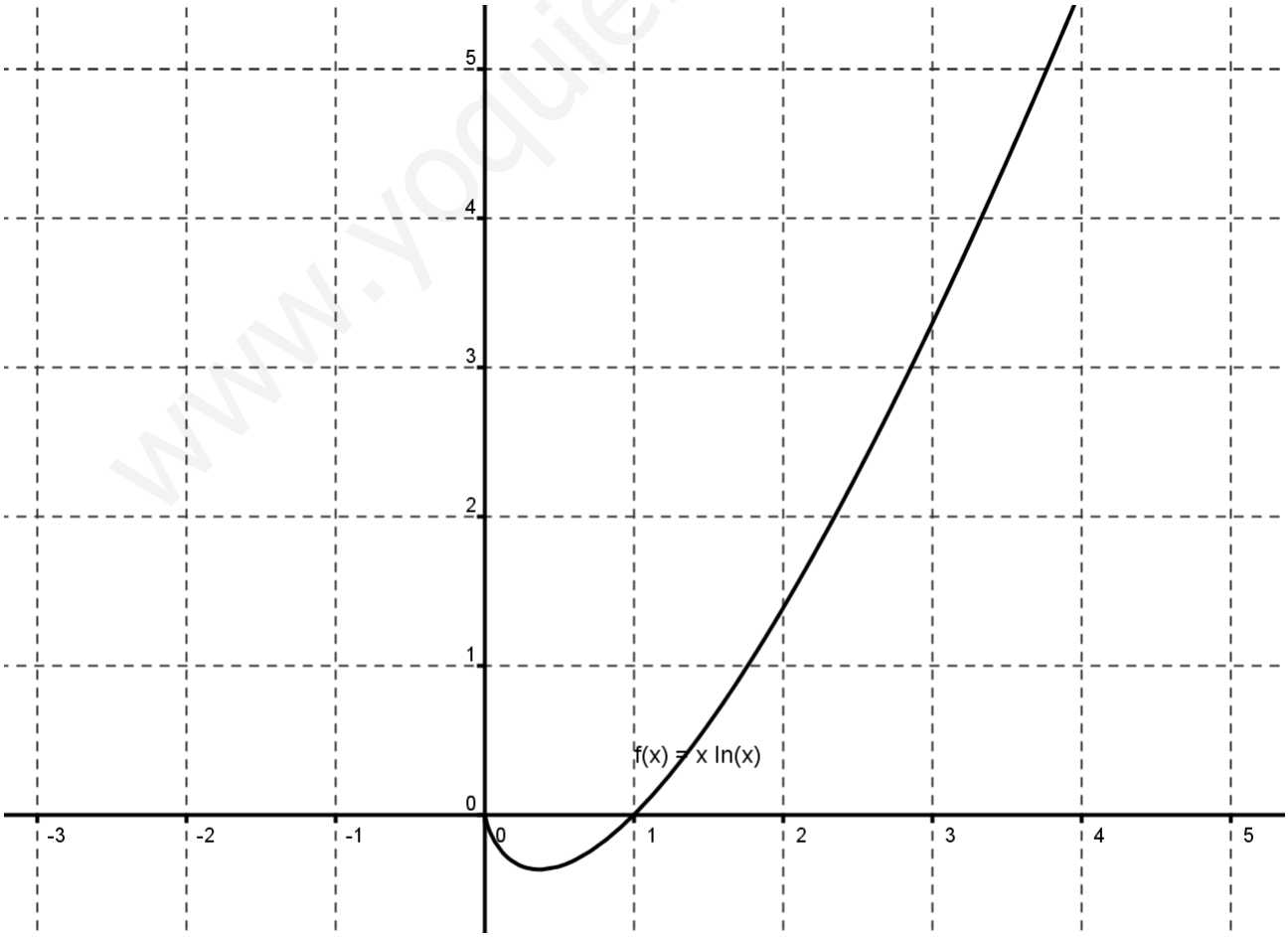


17. $f(x) = x \cdot e^{\frac{1}{x}}$

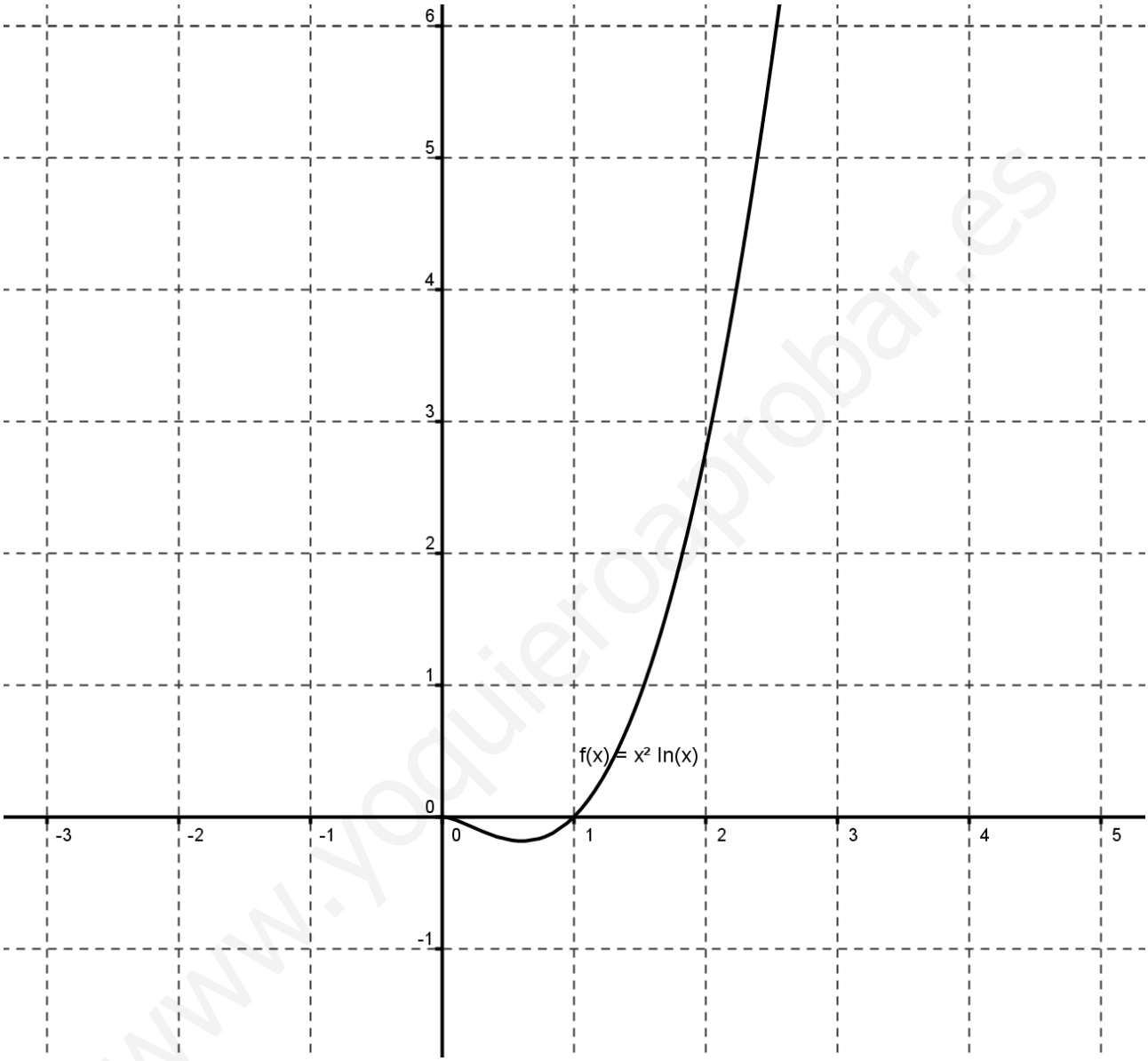
18. $f(x)=\dfrac{4}{1+e^{-x}}$



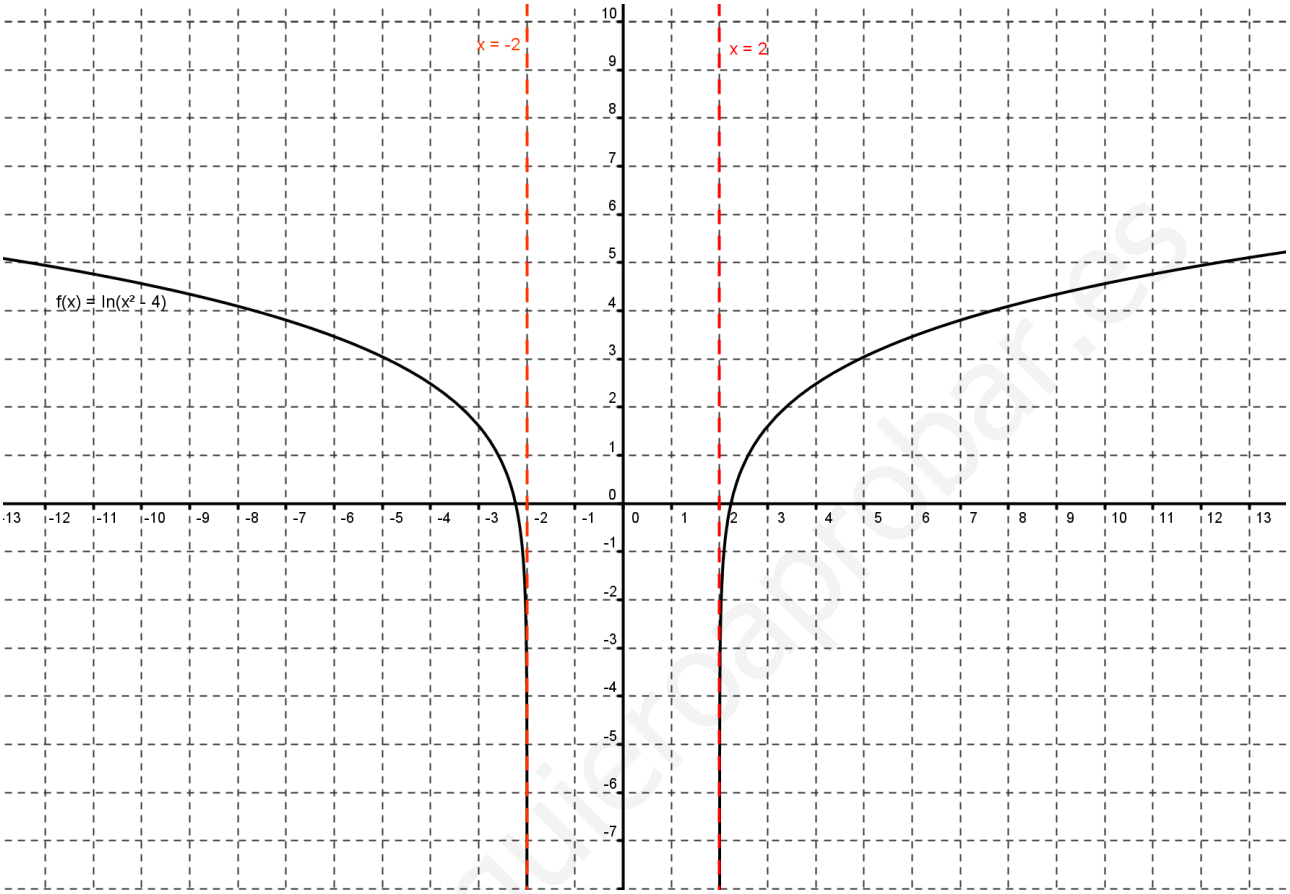
19. $f(x)=x\cdot\ln x$



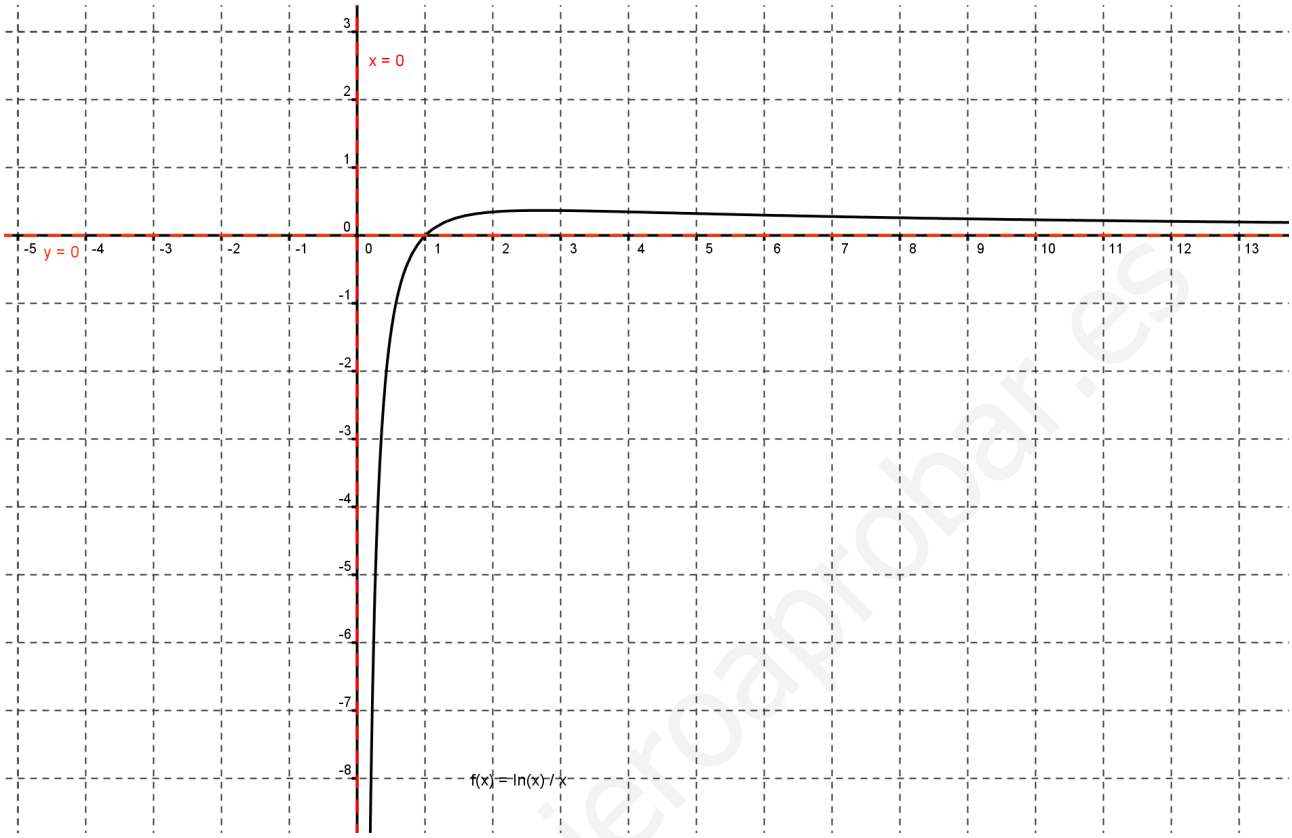
20. $f(x) = x^2 \cdot \ln x$



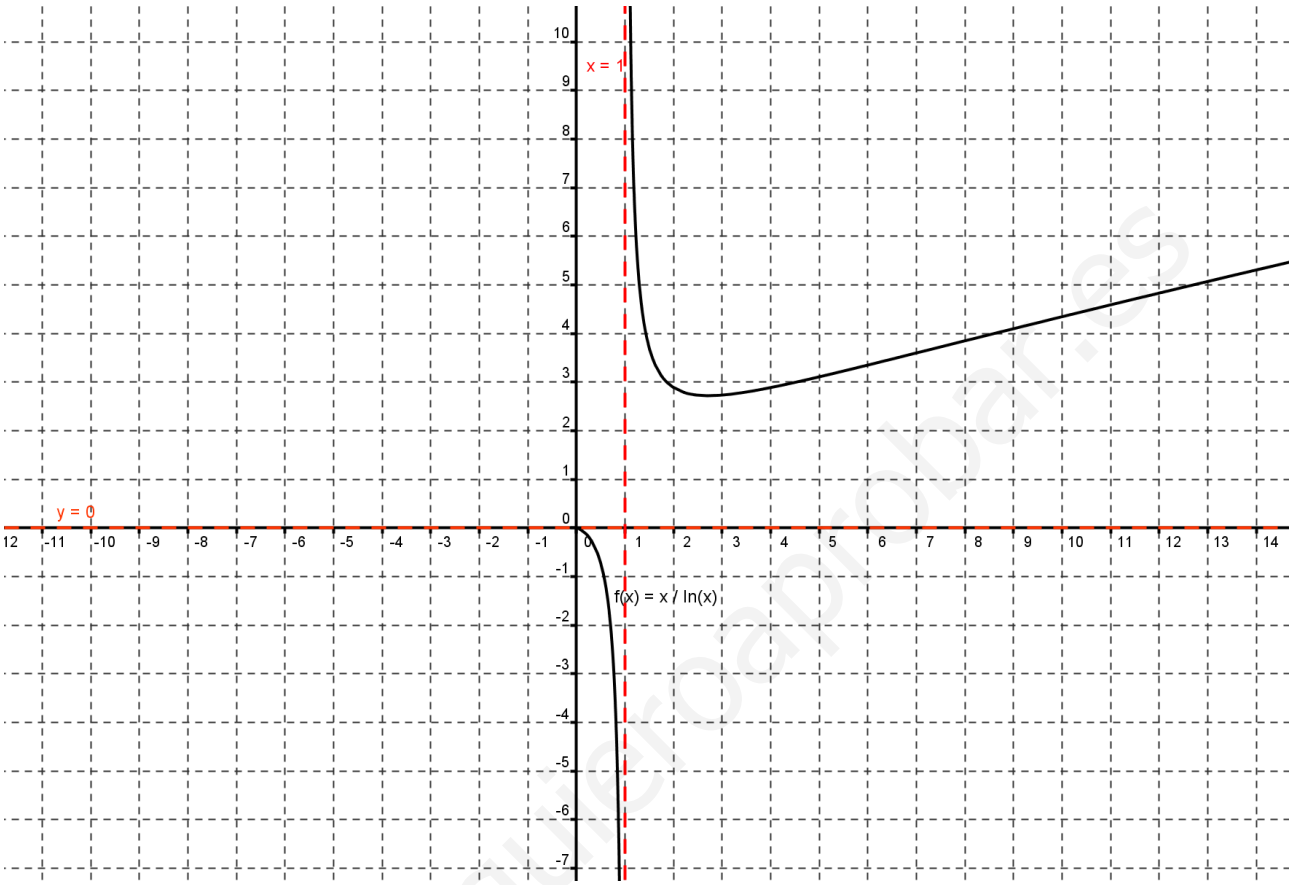
21. $f(x) = \ln\left(x^2 - 4\right)$



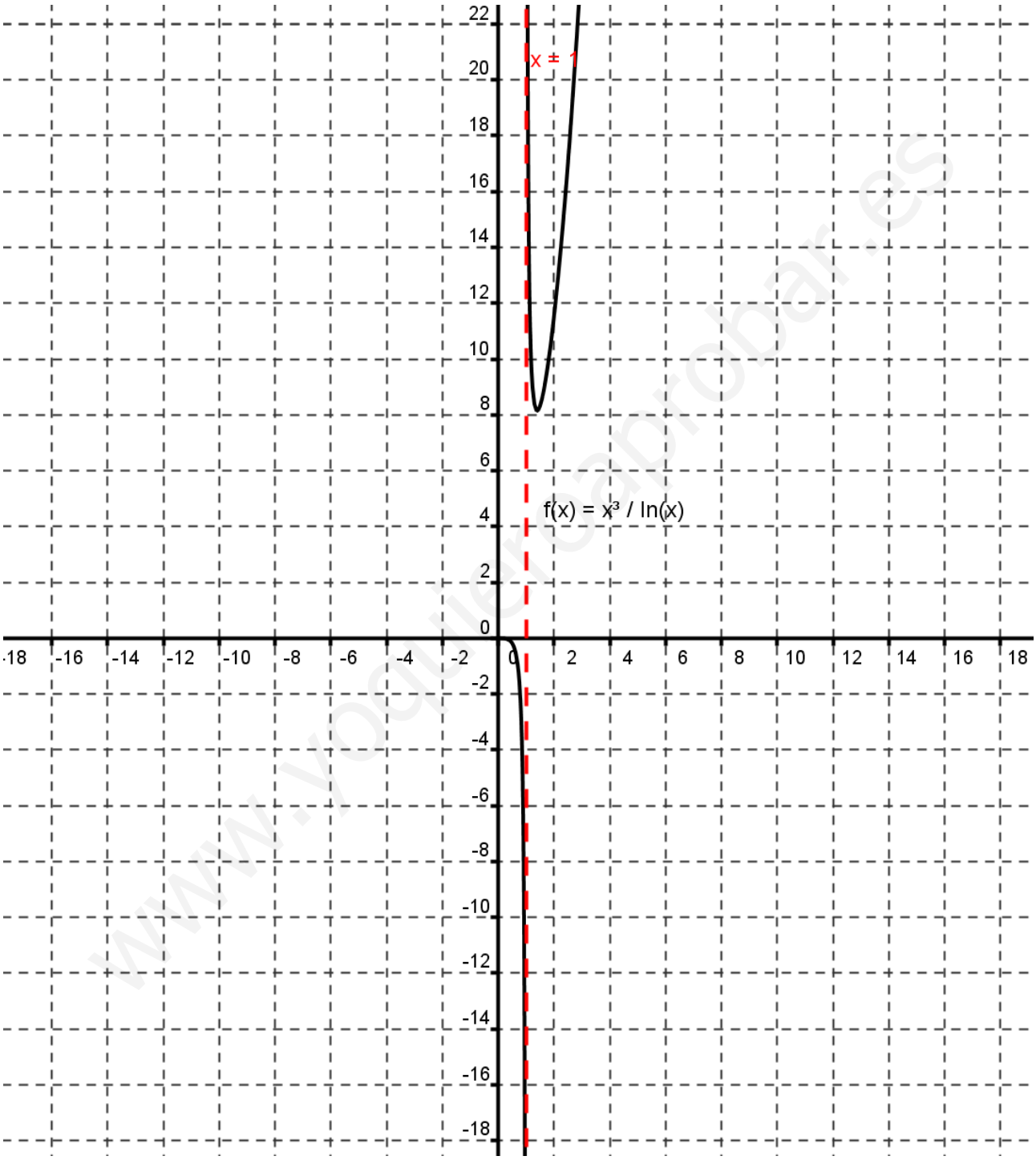
22. $f(x)=\dfrac{\ln x}{x}$



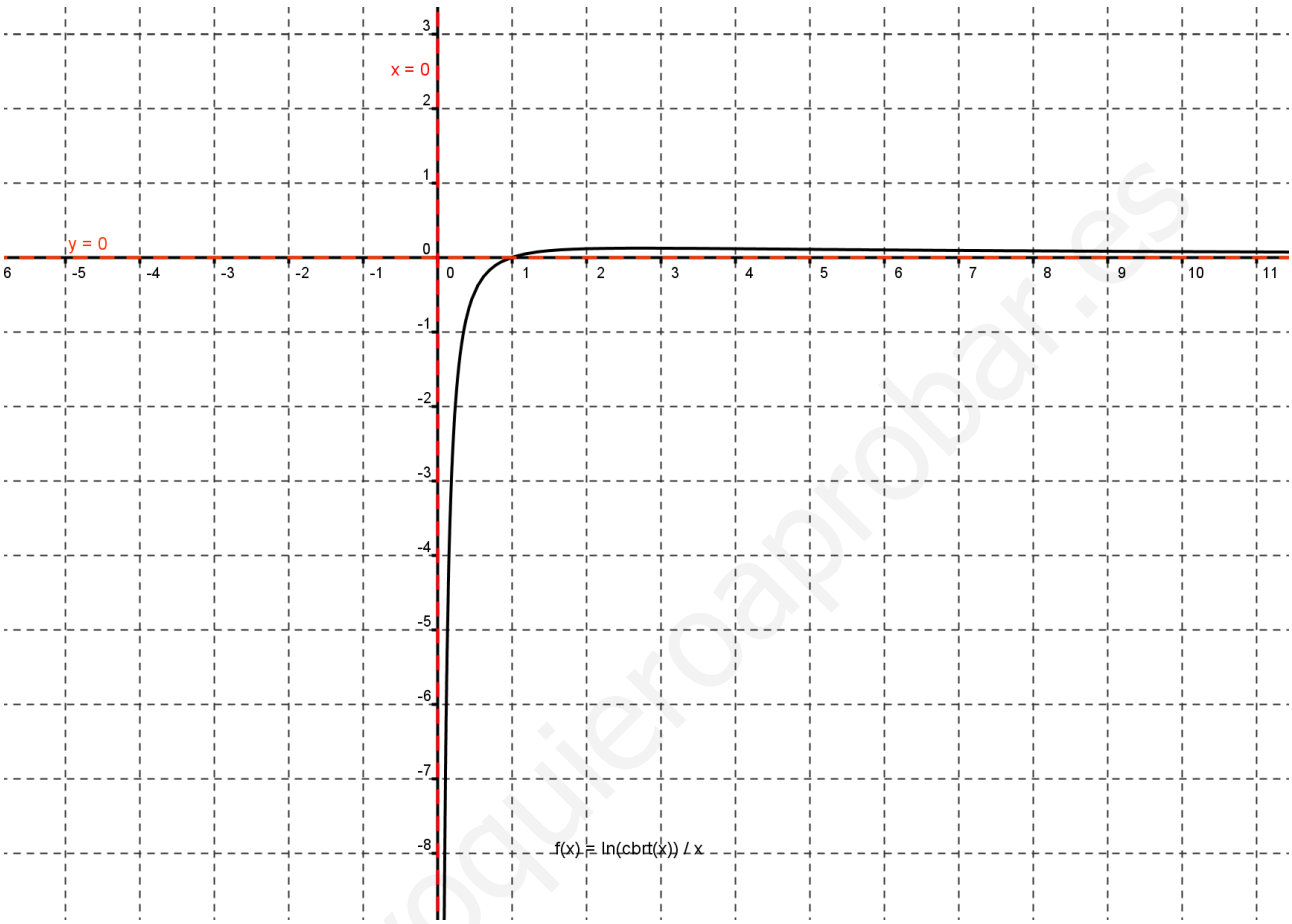
23. $f(x) = \dfrac{x}{\ln x}$



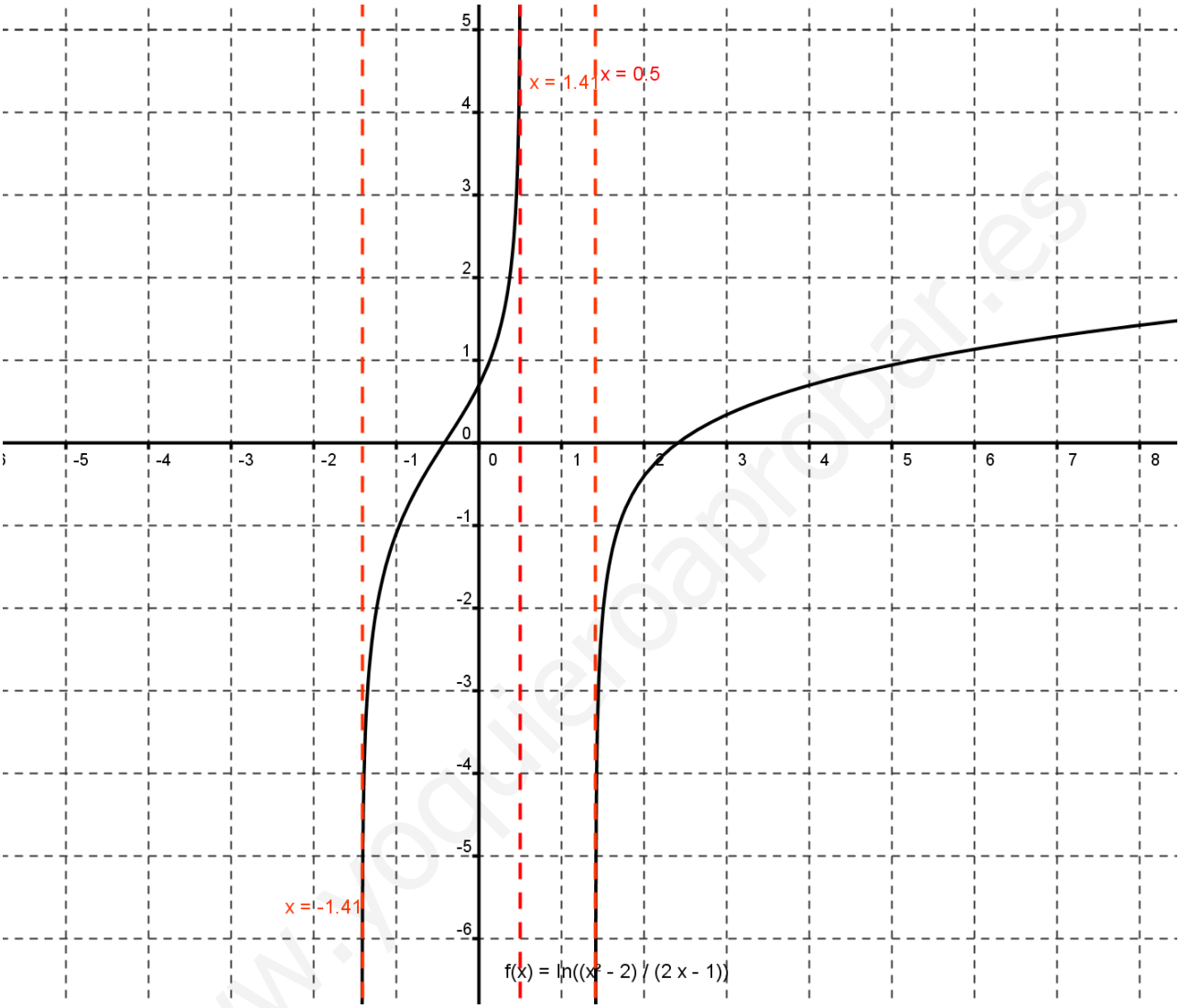
24. $f(x)=\dfrac{x^3}{\ln x}$



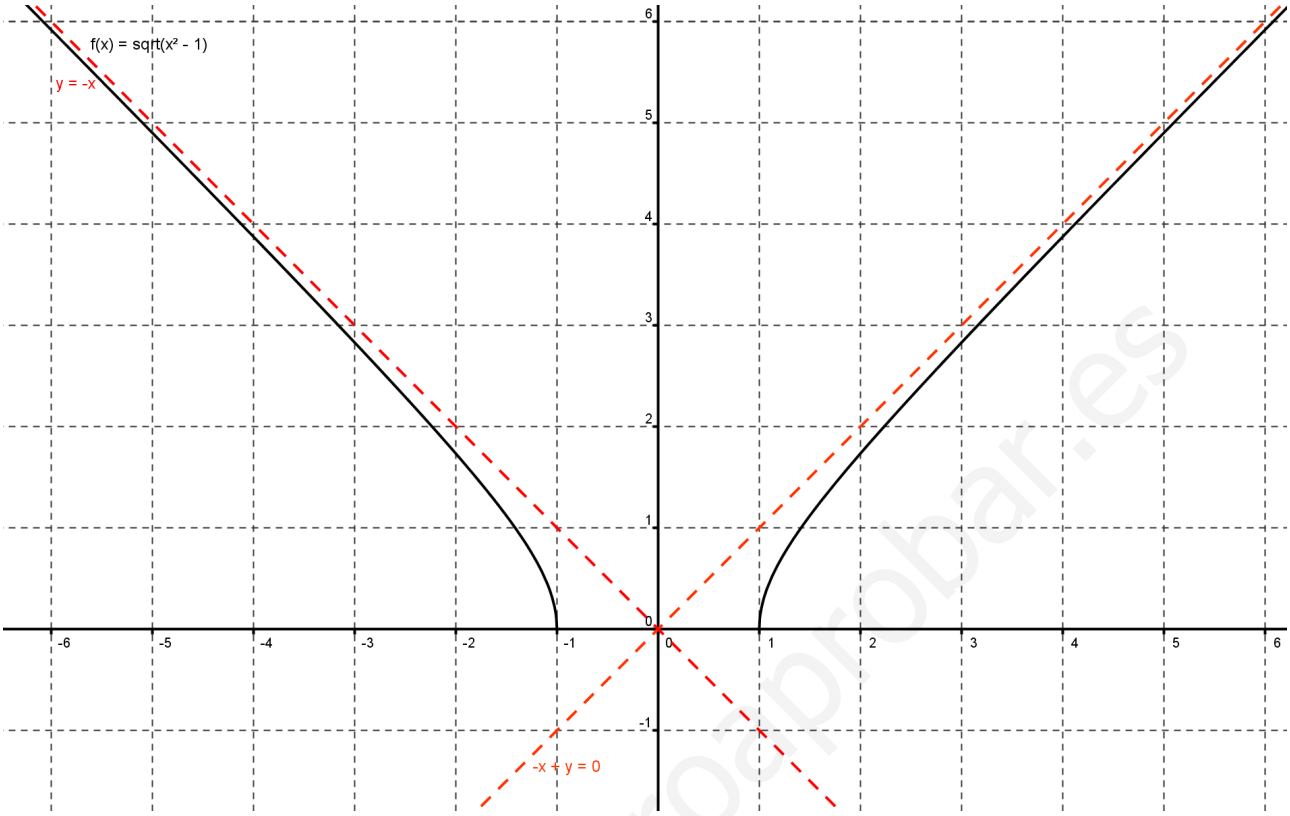
25. $f(x)=\dfrac{\ln\sqrt[3]{x}}{x}$



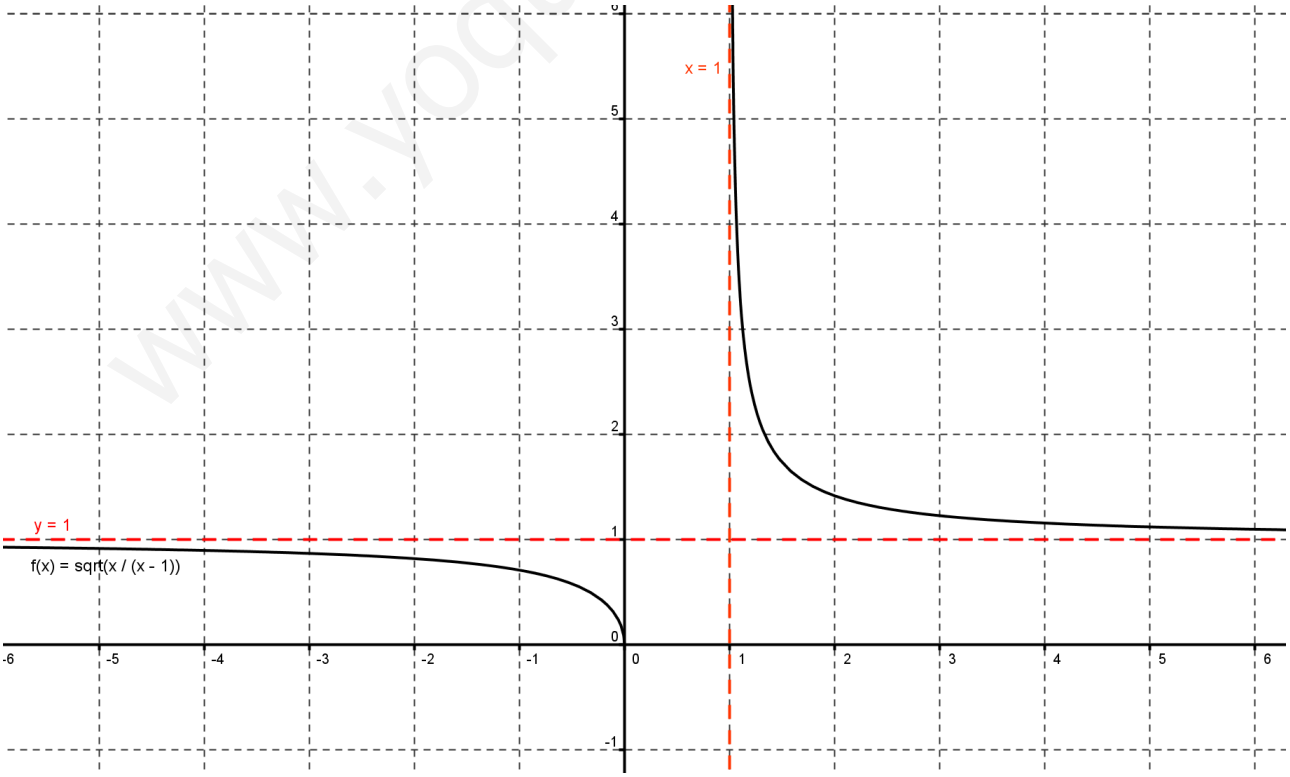
26. $f(x)=\ln\left(\dfrac{x^2-2}{2x-1}\right)$



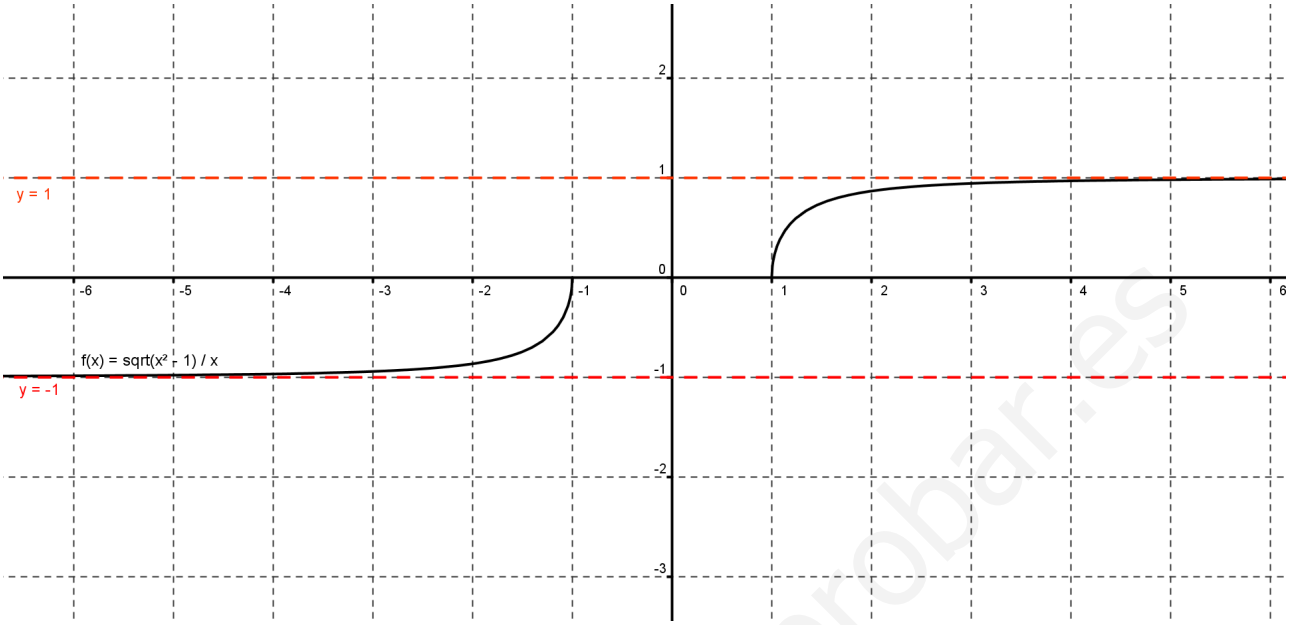
27. $f(x)=\sqrt{x^2-1}$



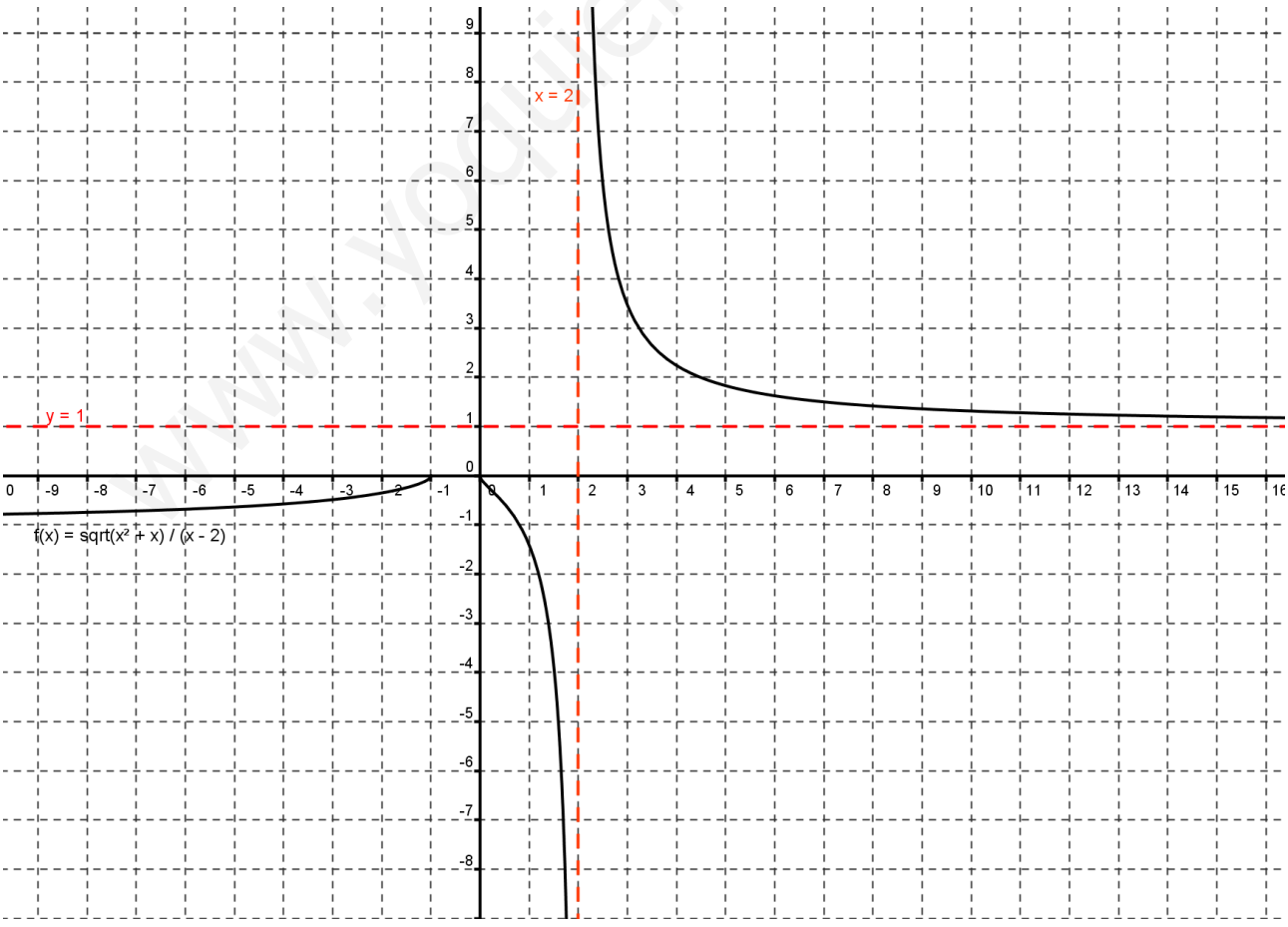
28. $f(x)=\sqrt{\dfrac{x}{x-1}}$



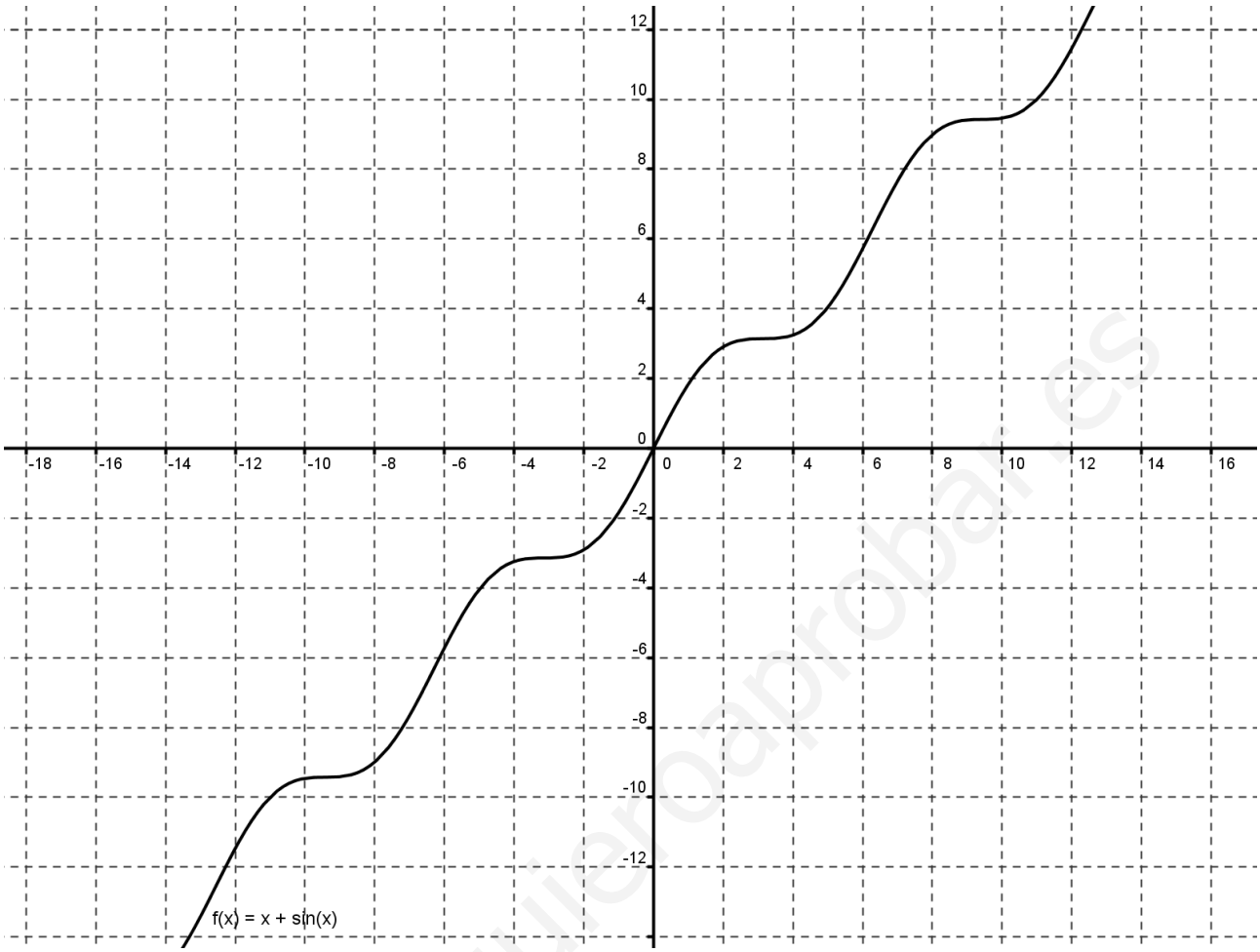
29. $f(x)=\dfrac{\sqrt{x^2-1}}{x}$



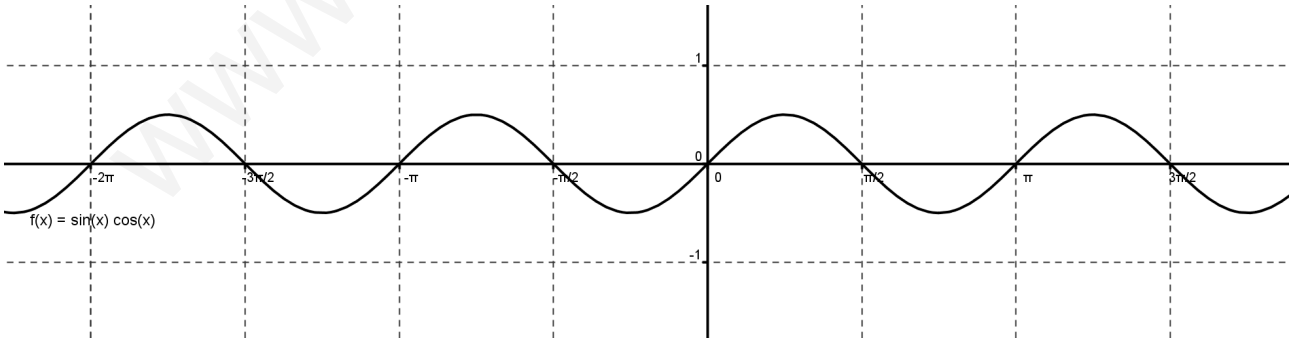
30. $f(x)=\dfrac{\sqrt{x^2+x}}{x-2}$



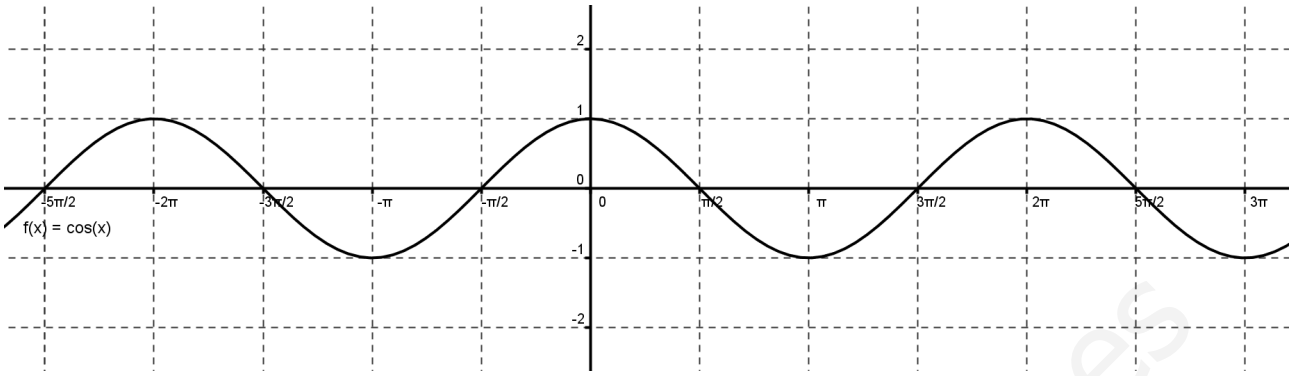
31. $f(x) = x + \text{sen } x$



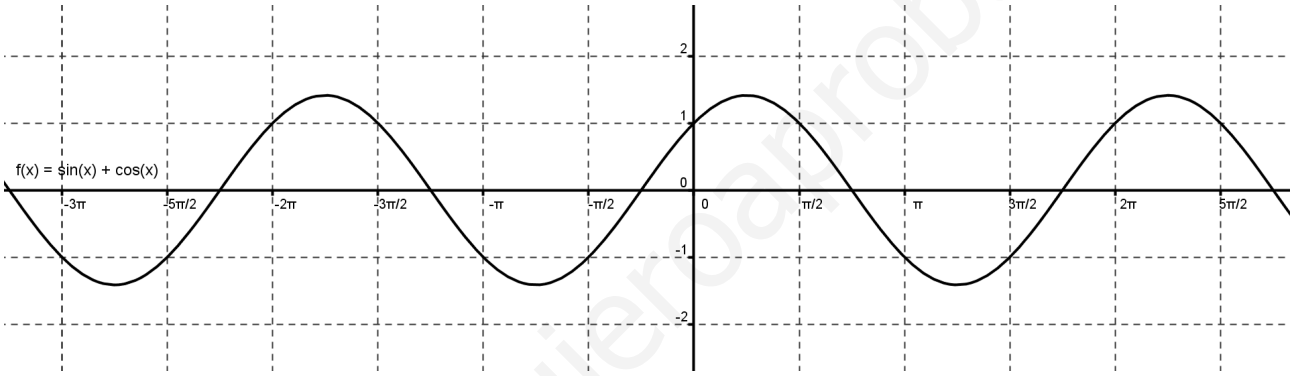
32. $f(x) = \text{sen } x \cdot \cos x$



33. $f(x) = \cos x$



34. $f(x) = sen x + \cos x$



35. $f(x) = sen^2 x$