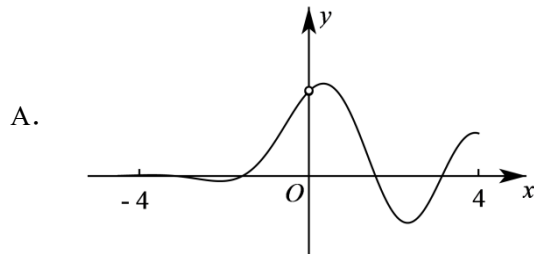


函数图像

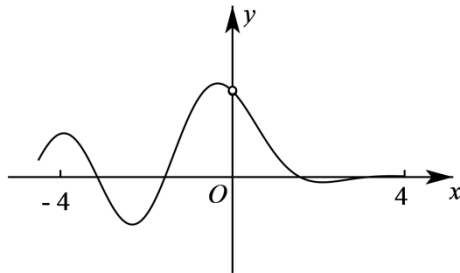
学校:_____姓名:_____班级:_____考号:_____

一、单选题

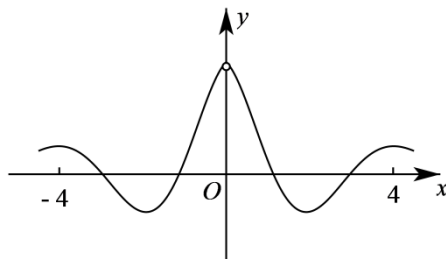
1. 函数 $f(x) = \frac{\sin 2x}{e^x - 1}$ 的图像大致为 ()



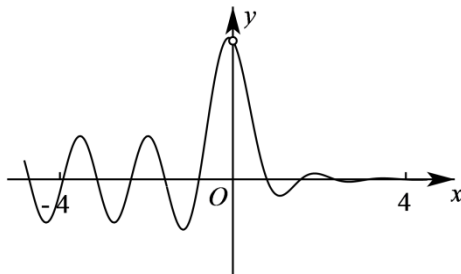
B.



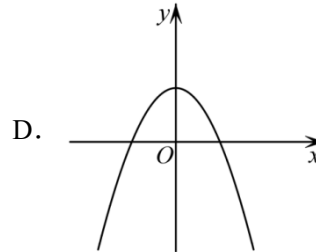
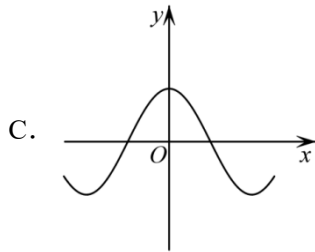
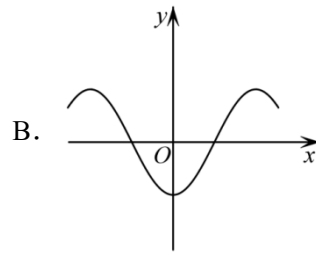
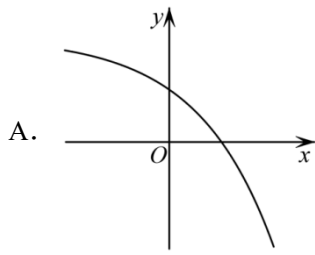
C.



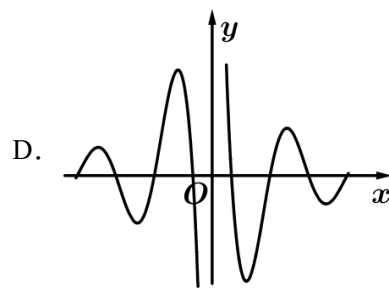
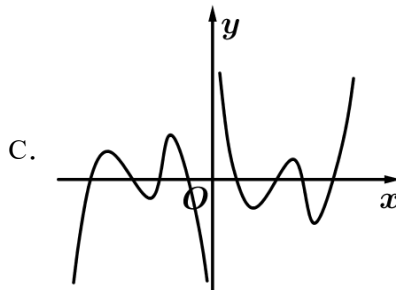
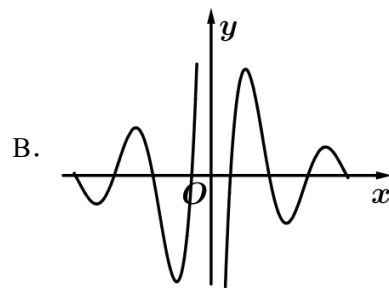
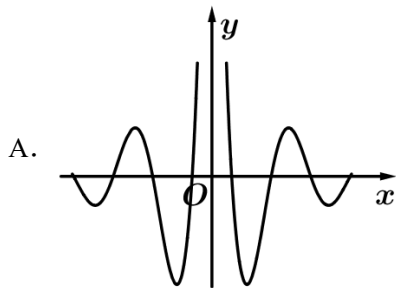
D.



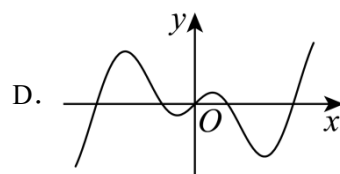
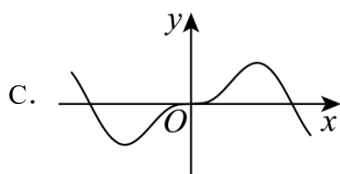
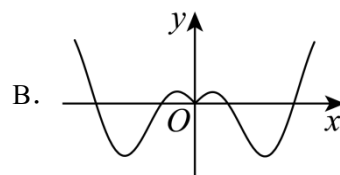
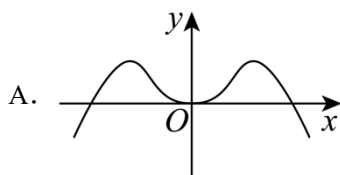
2. 函数 $f(x) = \cos x - x^2$ 的图象大致为 ()



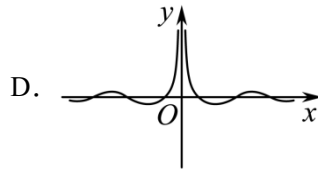
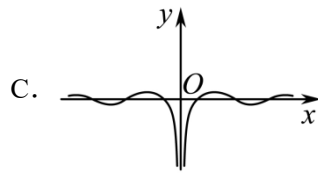
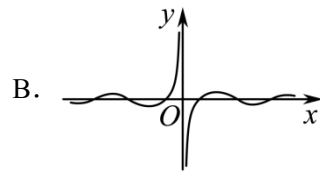
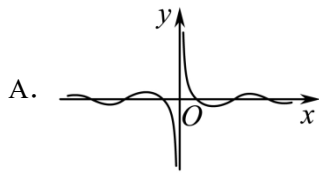
3. 已知函数 $f(x) = \frac{2^x \cdot \sin\left(\frac{\pi}{2} + 6x\right)}{4^x - 1}$, 则 $f(x)$ 的图象大致是 ()



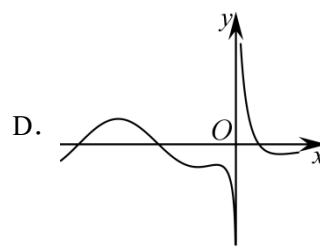
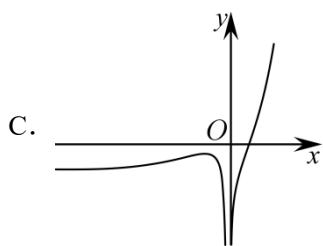
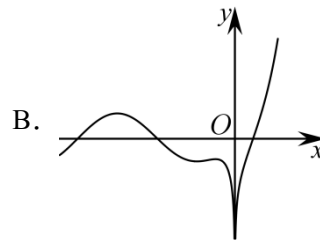
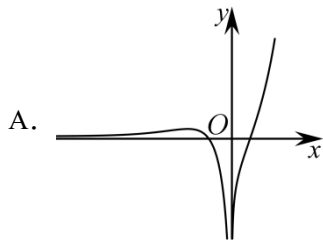
4. 函数 $y = \ln(x + \sqrt{x^2 + 1}) \cdot \cos 2x$ 的图像可能是 ()



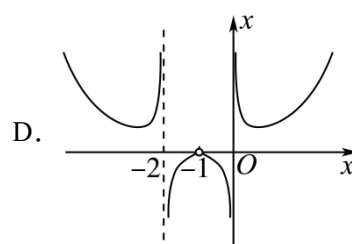
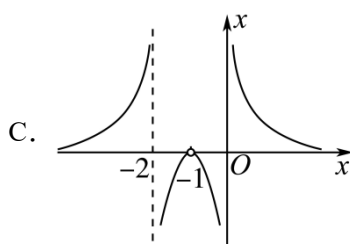
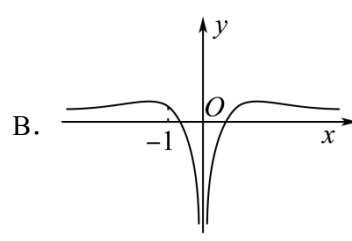
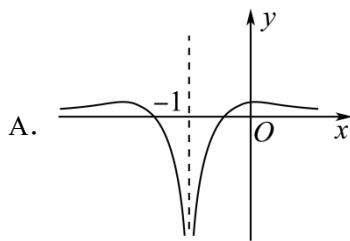
5. 已知函数 $f(x) = \frac{\cos x}{\lg(\sqrt{x^2 + 1} + x)}$, 则其图像可能是 ()



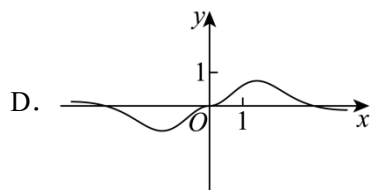
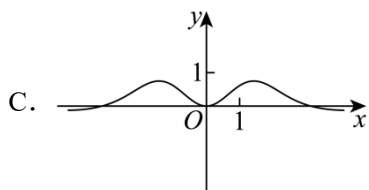
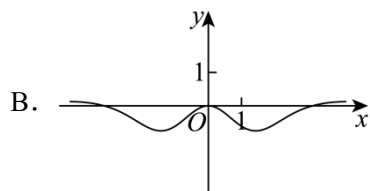
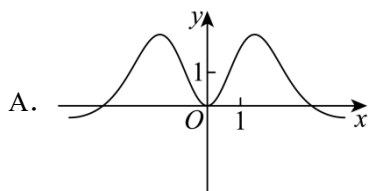
6. 函数 $y = \sin x + e^x \ln|x|$ 的图像可能是 ()



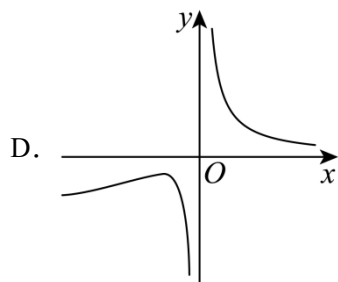
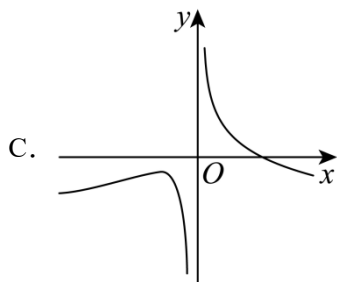
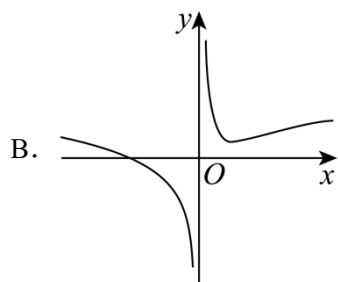
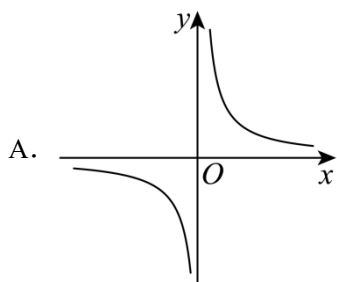
7. 函数 $f(x) = \frac{e^{x+2} + e^{-x}}{\ln|x+1|}$ 的图像大致为 ()



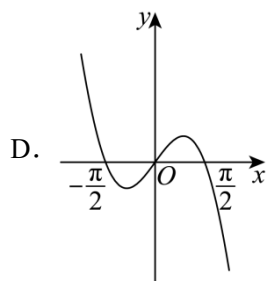
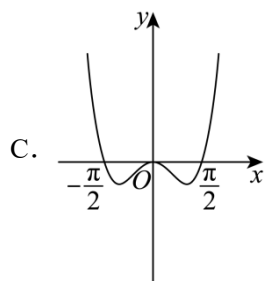
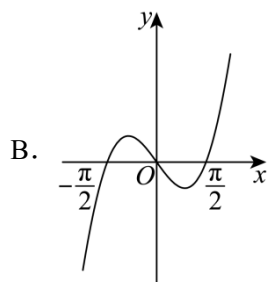
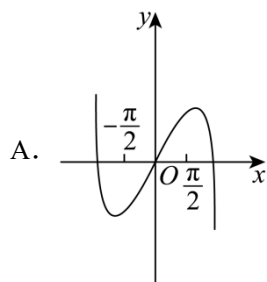
8. 函数 $f(x) = \frac{x(e^{\sin x} - e^{-\sin x})}{e^x + e^{-x}}$ 的图像大致为 ()



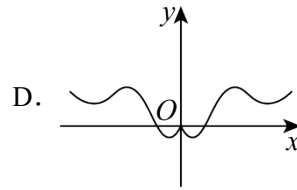
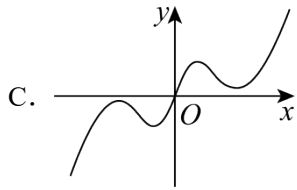
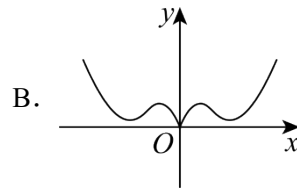
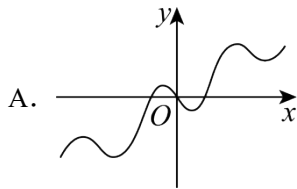
9. 函数 $f(x) = a \ln|x| + \frac{1}{x}$ 的图象不可能是 ()



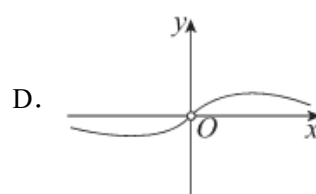
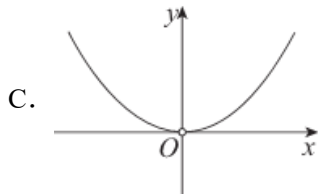
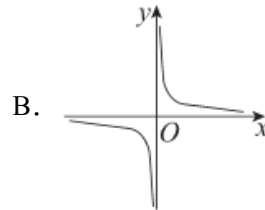
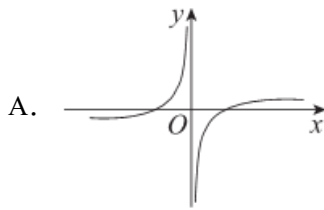
10. 函数 $f(x) = (2^x - 2^{-x}) \cos x$ 的部分图象大致为 ()



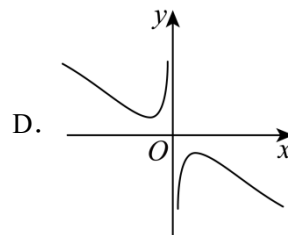
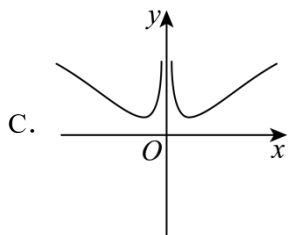
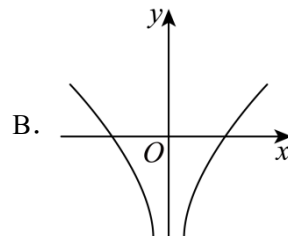
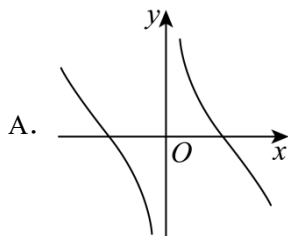
11. 我国著名数学家华罗庚先生曾说：数缺形时少直观，形缺数时难入微，数形结合百般好，隔裂分家万事休，在数学的学习和研究中，函数的解析式常用来研究函数图象的特征，函数 $f(x) = \frac{1}{2}x - \sin x$ 的图象大致为 ()



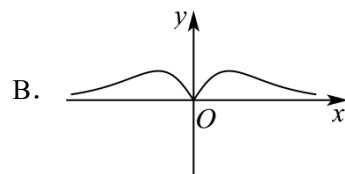
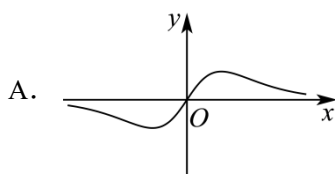
12. 函数 $f(x) = \frac{x^2 - \cos x}{e^x - e^{-x}}$ 的图象大致为 ()

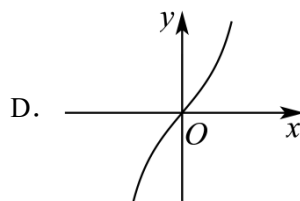
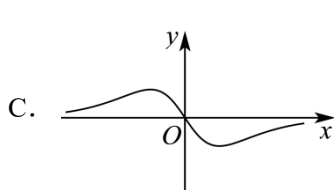


13. 函数 $f(x) = \frac{x^2 + 2|x|}{\ln(x^2 + 1)}$ 的部分图象大致为 ()

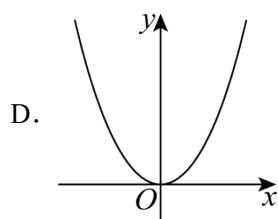
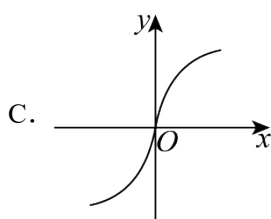
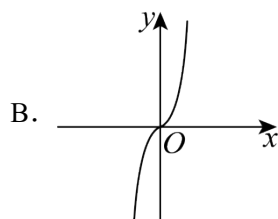
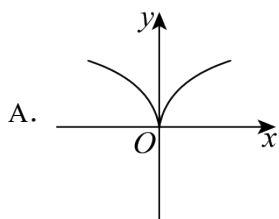


14. 函数 $f(x) = \frac{x}{2^x + 2^{-x}}$ 图象大致为 ()

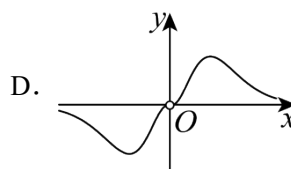
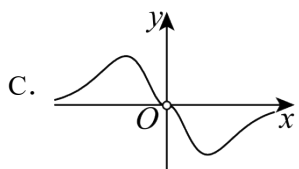
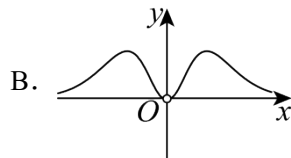
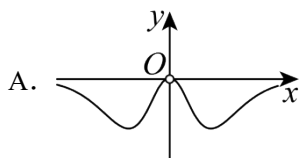




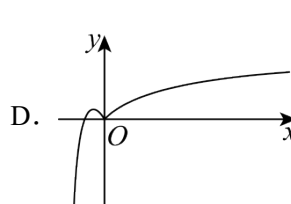
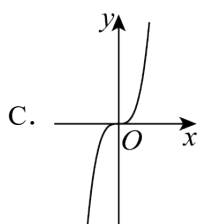
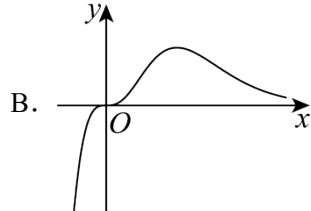
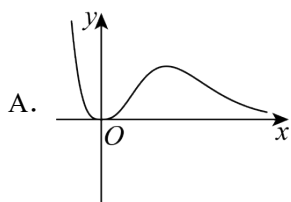
15. 函数 $y = x(e^x - e^{-x})$ 的图象大致为 ()



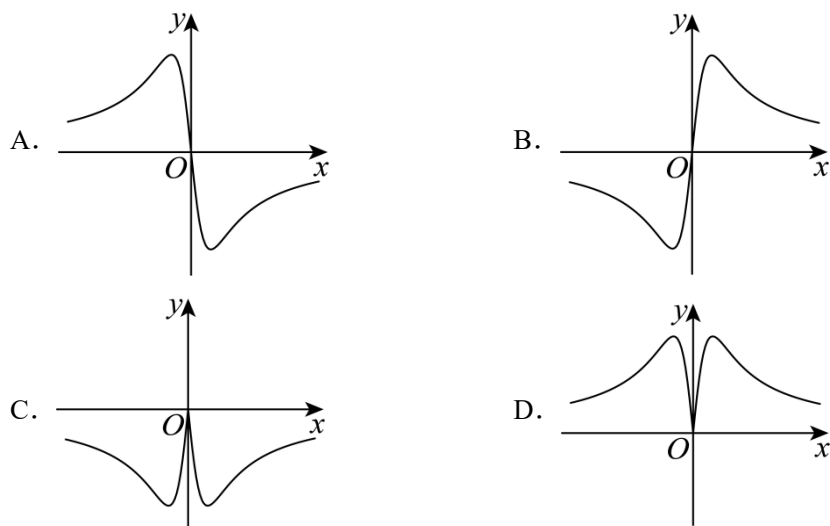
16. 函数 $f(x) = \frac{-x^3 e^x}{e^{2x} - 1}$ 的部分图象大致为 ()



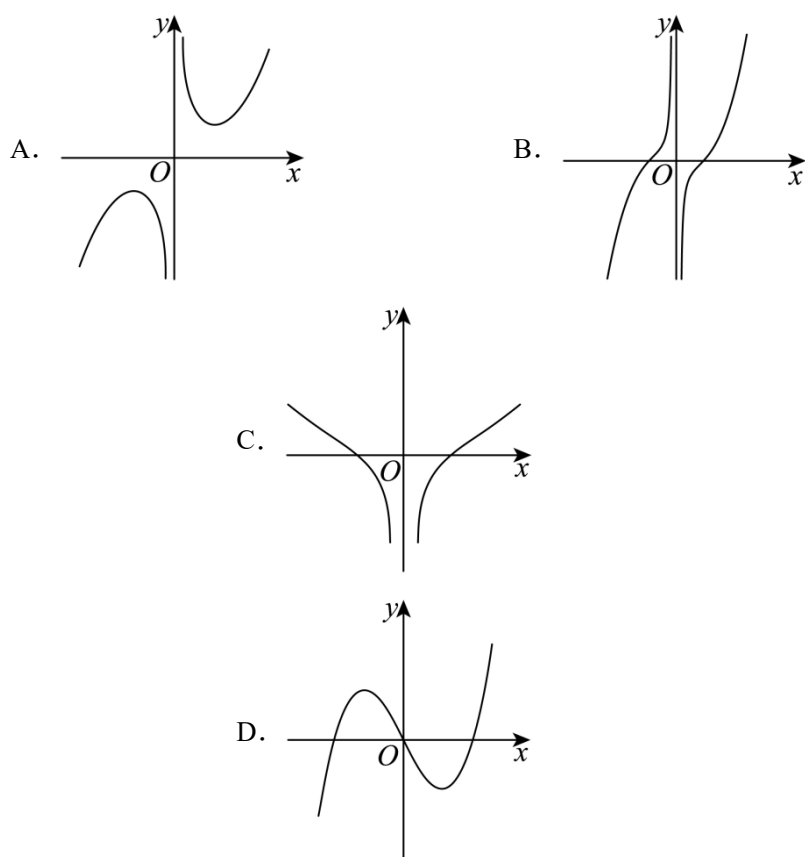
17. 函数 $f(x) = \frac{x^3}{e^x + 1}$ 的部分图象大致为 ()



18. 函数 $y = \frac{ax}{x^2 + 1} (a > 0)$ 的图象大致为 ()



19. 函数 $f(x) = x^3 + x - \frac{9}{x}$ 的图象大致为 ()



20. 函数 $f(x) = \frac{2^x + 2^{-x}}{x^2}$ 的大致图象为 ()

