1. $\int_{0}^{1} \frac{\ln(Hx)}{Hx^{2}} dx$ 2. $\int \frac{dx}{x^{4}x^{2}+1}$ 3. $\int \frac{\sqrt{x}}{\sqrt{x}} dx$ 4. $\int \frac{dx}{\sqrt[3]{(x+1)^{2}(x+1)^{4}}}$ 5. $\int_{0}^{+\infty} \frac{dx}{(Hx^{2})(Hx^{2})} \left(\frac{dx}{(Hx^{2})(Hx^{2})} \left(\frac{dx}{(Hx^{2})(Hx^{2})} \right) \right) = \int_{0}^{+\infty} \frac{dx}{2x - Jx^{2}} = 7. \quad I = \int_{0}^{2} \frac{x}{Hx^{2}} dx$ 8. <u>Sarcsine</u> dx 9. <u>Sax 10. Slx-1ldx, xER</u> $12. \int \frac{\sin x \cos x}{\sqrt{a^2 \sin x} + b^2 \cos x} dx \qquad 13. \int \frac{\chi^4}{(\chi+1)^{100}} dx$ $\int \frac{1}{1-x^2} \ln \frac{1+x}{1-x} dx$ 14. $\int \frac{f(x)}{f(x)} - \frac{f(x)f'(x)}{[f(x)]^3} dx$ 15. J X P - IRIN 16. J(Xa) (Xa) (Xb) 17. \[\frac{1+\text{sinx}}{1+\text{cosx}} \delta \times \] \[\frac{7\text{cosx}-3\text{sinx}}{5\text{cosx}+2\text{sinx}} \dge{4} \] 19. J. X(HX) dx $\partial O = \int \frac{\sqrt{2x^2+3}}{x} dx = 2 \int \frac{dx}{\sqrt{(x+2)(x+3)}}$ 22. Jeavetain dx 23 (COBX SINX OX) 24. Sinxtusx dx 26. Sazsinz+babz dx 27 J-XUTXeXJa 25. J Sinx dx 29. \[\frac{\intanx}{\sin^{2}x} \dx \\ \frac{30.}{\times^{4}\lambda + \times^{2}} \] 28. Jext dx 31. $\int \frac{\sqrt{a^2-\chi^2}}{\chi^4} d\chi$ 33. $\int \frac{\chi^3}{(\chi + \chi)^2 (\chi^2 + \chi + \chi)} d\chi$ 32. (xexsinxex 35, So JF4/2 dx 34. So JSINY SIRX OX 36 (Sinx dx 37. St (Xsinx +UBX)2 38. St/n (Htanxidy 39. 5 - 510x dx