268 ●○ $\int \frac{\ln^3 x}{x}\,dx$ $\left[\frac{\ln^4 x}{4}+c\right]$

269 ●○ $\int \frac{3\sin x-2\cos x}{4}\,dx$ $\left[-\frac{3}{4}\cos x-\frac{1}{2}\sin x+c\right]$

270 ●○ $\int\left(\frac{2}{\cos^2 x}-\frac{1}{\sin^2 x}\right)dx$ $[2\tan x+\cot x+c]$

271 ●○ $\int \frac{2\cos x+\sin 2x}{\cos x}\,dx$ $[2x-2\cos x+c]$

272 ●○ $\int\left(\frac{1}{\sqrt{x}}-\frac{1}{\sqrt{1-x^2}}\right)dx$ $[2\sqrt{x}-\arcsin x+c]$

273 ●○ $\int \frac{\cos x+\sin x}{\sin x-\cos x}\,dx$ $[\ln|\sin x-\cos x|+c]$

274 ●○ $\int \frac{1}{x\sqrt{1-\ln^2 x}}\,dx$ $[\arcsin \ln x+c]$

275 ●○ $\int \frac{\cos\sqrt{x}}{\sqrt{x}}\,dx$ $[2\sin\sqrt{x}+c]$

276 ●○ $\int \frac{e^{\sqrt{2x+1}}}{\sqrt{2x+1}}\,dx$ $[e^{\sqrt{2x+1}}+c]$

277 ●○ $\int \frac{\cos x}{2-\cos^2 x}\,dx$ $[\arctan \sin x+c]$

278 ●○ $\int \frac{1}{(1+x^2)\arctan x}\,dx$ $[\ln|\arctan x|+c]$

279 ●○ $\int(2\tan^2 x-1)\,dx$ $[2\tan x-3x+c]$

280 ●○ $\int(x^2+1)\sin(x^3+3x)\,dx$ $\left[\frac{-\cos(x^3+3x)}{3}+c\right]$

281 ●○ $\int \frac{e^{x+1}}{3+e^x}\,dx$ $[e\cdot\ln(3+e^x)+c]$

282 ●○ $\int \frac{1-x^2}{1+x^2}\,dx$ $[2\arctan x-x+c]$

283 ●○ $\int \frac{9x-3}{x^2+1}\,dx$ $\left[\frac{9}{2}\ln(x^2+1)-3\arctan x+c\right]$

284 ●○ $\int \frac{(\sin x-\cos x)^2}{\cos^2 x}\,dx$ $[\tan x+2\ln|\cos x|+c]$

285 ●○ $\int x^2\sin(x^3-1)\,dx$ $\left[-\frac{1}{3}\cos(x^3-1)+c\right]$

286 ●○ $\int \frac{4^{1+2x}}{8^x}\,dx$ $\left[\frac{4}{\ln 2}2^x+c\right]$

287 ●○ $\int(2x-1)^8\,dx$ $\left[\frac{(2x-1)^9}{18}+c\right]$

288 ●○ $\int \frac{x}{\sin^2 x^2}\,dx$ $\left[-\frac{1}{2}\cot x^2+c\right]$

289 ●○ $\int \frac{x}{\sqrt{x^2-9}}\,dx$ $[\sqrt{x^2-9}+c]$

290 ●○ $\int \frac{e^{\sqrt{x}-4}}{\sqrt{x}}\,dx$ $[2e^{\sqrt{x}-4}+c]$

291 ●● $\int \frac{x^3}{\sqrt{1-x^8}}\,dx$ $\left[\frac{1}{4}\arcsin x^4+c\right]$

292 ●● $\int(\cos x-\cos^3 x)\,dx$ $\left[\frac{\sin^3 x}{3}+c\right]$

293 ●● $\int \frac{\arcsin x}{4\sqrt{1-x^2}}\,dx$ $\left[\frac{1}{8}\arcsin^2 x+c\right]$

294 ●● $\int \frac{\cos x}{9+\sin^2 x}\,dx$ $\left[\frac{1}{3}\arctan\frac{\sin x}{3}+c\right]$

295 ●● $\int \cos 2x\cos x\,dx$ $\left[\sin x-\frac{2}{3}\sin^3 x+c\right]$

296 ●● $\int \frac{dx}{x(1+4\ln^2 x)}$ $\left[\frac{\arctan(2\ln x)}{2}+c\right]$

297 ●● $\int \frac{\ln x+1}{x\ln^2 x}\,dx$ $\left[\ln|\ln x|-\frac{1}{\ln x}+c\right]$

298 ●● $\int \frac{e^{1+\sqrt{6x}}}{\sqrt{x}}\,dx$ $\left[\frac{\sqrt{6}}{3}\cdot e^{1+\sqrt{6x}}+c\right]$

299 ●● $\int \sin^5 x\,dx$ $\left[-\cos x-\frac{\cos^5 x}{5}+\frac{2\cos^3 x}{3}+c\right]$

300 ●● $\int \frac{4x+x^3}{\sqrt{1-x^4}}\,dx$ $\left[2\arcsin x^2-\frac{1}{2}\sqrt{(1-x^4)}+c\right]$

301 ●● $\int \frac{\sin 2x}{4+4\sin^2 x}\,dx$ $\left[\frac{\ln(\sin^2 x+1)}{4}+c\right]$

302 ●● $\int(\cos^2 x+\cos 2x)\,dx$ $\left[\frac{1}{2}x+\frac{3\sin 2x}{4}+c\right]$

303 ●● $\int \frac{1}{5+e^x}\,dx$ $\left[\frac{1}{5}x-\frac{1}{5}\ln(5+e^x)+c\right]$

304 ●● $\int \frac{x^4-16}{1+x^2}\,dx$ $\left[\frac{x^3}{3}-x-15\arctan x+c\right]$

305 ●● $\int(\tan x+1)^2\,dx$ $[\tan x-2\cdot\ln|\cos x|+c]$

306 ●● $\int \frac{e^{\frac{1}{x^2}}}{x^3}\,dx$ $\left[-\frac{e^{\frac{1}{x^2}}}{2}+c\right]$

307 ●● $\int \frac{1}{25+4x^2}\,dx$ $\left[\frac{1}{10}\arctan\frac{2x}{5}+c\right]$

308 ●● $\int \sin x\sec x\,dx$ $[-\ln|\cos x|+c]$

309 ●● $\int \frac{1}{\sqrt{16-9x^2}}\,dx$ $\left[\frac{1}{3}\arcsin\frac{3x}{4}+c\right]$

310 ●● $\int 6^{2\sin x+1}\cos x\,dx$ $\left[\frac{3\cdot 6^{2\sin x}}{\ln 6}+c\right]$