1354. $\operatorname{arc\,tg}(2x^2)+C$. **1355.** $0{,}2\operatorname{arc\,tg}\frac{x+2}{5}+C$.

1356. $\frac{1}{2}\operatorname{arc\,tg}\frac{x-1}{2}+C$. **1357.** $\arcsin\frac{x+2}{3}+C$.

1358. $\frac{1}{2}\ln(x^2+x+1)-\frac{1}{\sqrt{3}}\operatorname{arc\,tg}\frac{2x+1}{\sqrt{3}}+C$.

1359. $\frac{1}{2}\ln(2x+1+\sqrt{4x^2+4x+3})+C$. **1360.** $x\ln|x|-x+C$.

1361. $\frac{x^2}{2}\ln|x-1|-\frac{1}{2}\left(\frac{x^2}{2}+x+\ln|x-1|\right)+C$.

1362. $\frac{1}{2}e^{2x}\left(x-\frac{1}{2}\right)+C$. **1363.** $\frac{x^2+1}{2}\operatorname{arc\,tg}x-\frac{x}{2}+C$.

1364. $x^2\sin x+2x\cos x-2\sin x+C$. **1365.** $\frac{1}{2}e^x(\sin x-\cos x)+C$.

1367. $x[(\ln|x|-1)^2+1]+C$. **1368.** $-x\operatorname{ctg}x+\ln|\sin x|+C$.

1369. $-\frac{\ln|x|+1}{x}+C$. **1370.** $2\sqrt{1+x}\arcsin x+4\sqrt{1-x}+C$.

1371. $x\arcsin x+\sqrt{1-x^2}+C$. **1372.** $-e^{-x}(x^3+3x^2+6x+6)+C$.

1373. $x\ln(x^2+1)-2x+2\operatorname{arc\,tg}x+C$. **1374.** $\frac{x}{2}(\cos\ln x+\sin\ln x)+C$.

1375. $\frac{2}{3}\sqrt{x^3}\left(\ln|x|-\frac{2}{3}\right)+C$. **1376.** $-2e^{-\frac{x}{2}}(x^2+4x+8)+C$.

1377. $x\operatorname{arc\,tg}x-\frac{1}{2}\ln(1+x^2)+C$. **1378.** $x\operatorname{tg}x+\ln|\cos x|+C$.

1379. $\frac{1}{2}e^x(\sin x+\cos x)+C$. **1380.** $4\sqrt{2+x}-2\sqrt{2-x}\arcsin\frac{x}{2}+C$.

1381. $-\frac{1}{2}\left(\frac{x}{\sin^2 x}+\operatorname{ctg}x\right)+C$. **1382.** $x\operatorname{arc\,tg}\sqrt{2x-1}-\frac{\sqrt{2x-1}}{2}+C$.

1384. $3x+4\sin x+\sin 2x+C$. **1385.** $\frac{3x}{2}+\cos 2x-\frac{\sin 4x}{8}+C$.

1386. $\frac{3x}{8}+\frac{\sin 2x}{4}+\frac{\sin 4x}{32}+C$. **1387.** $\frac{x}{8}-\frac{\sin 4x}{32}+C$.

1388. $\frac{3x}{128}-\frac{\sin 4x}{128}+\frac{\sin 8x}{1024}+C$. **1389.** $\frac{x}{16}-\frac{\sin 4x}{64}+\frac{\sin^3 2x}{48}+C$.

1390. $-\cos x+\frac{2}{3}\cos^3 x-\frac{\cos^5 x}{5}+C$. **1391.** $\frac{\sin^3 x}{3}-\frac{\sin^5 x}{5}+C$.

1392. $\frac{1}{4}\sin^4 x-\frac{1}{6}\sin^6 x+C$. **1393.** $\sin x-\sin^3 x+\frac{3}{5}\sin^5 x-$

$-\frac{1}{7}\sin^7 x+C$. **1394.** $7x+14\sin x+3\sin 2x-\frac{8\sin^3 x}{3}+C$.

1395. $-\frac{1}{\sin x}-\sin x+C$. **1396.** $\frac{1}{\cos x}+\cos x+C$.

1397. $\frac{1}{2}\ln|\operatorname{tg}x|+C$. **1398.** 1) $\ln\left|\operatorname{tg}\frac{x}{2}\right|+C$; 2) $\ln\left|\operatorname{tg}\left(\frac{x}{2}+\frac{\pi}{4}\right)\right|+C$.

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