

1. $\int (2 - 3\sqrt{3}x)^2 dx;$
2. $\int \frac{\sqrt{x} + \sqrt[3]{x}}{\sqrt[4]{x}} dx;$
3. $\int \left(\frac{1+x}{x}\right)^2 dx;$
4. $\int \left(\frac{1}{x} + \frac{2}{x^2} + \frac{3}{x^3}\right) dx;$
5. $\int \frac{(1+x)^3}{x^2} dx;$
6. $\int \frac{x^2}{1-x^2} dx;$
7. $\int \frac{4-x^2}{3+x^2} dx;$
8. $\int \frac{1}{(x^2+1)(x^2-3)} dx;$
9. $\int \frac{1}{x^4-1} dx;$
10. $\int \frac{1+2x^2}{x^2(1+x^2)} dx;$
11. $\int \frac{(1+x)^2}{x(1+x^2)} dx;$
12. $\int \frac{\sqrt{1+x^2} + \sqrt{1-x^2}}{\sqrt{1-x^4}} dx;$
13. $\int \frac{\sqrt{x^2+1} - \sqrt{x^2-1}}{\sqrt{x^4-1}} dx;$
14. $\int \frac{1}{2x^2+3} dx;$
15. $\int \frac{1}{3x^2-7} dx;$
16. $\int \frac{1}{\sqrt{2-x^2}} dx;$
17. $\int \frac{1}{\sqrt{2x^2+5}} dx;$
18. $\int \frac{1}{\sqrt{3x^2-7}} dx;$
19. $\int (5^x - 2^x)^2 dx;$
20. $\int \frac{2^{2x-1} - 3^{2x+3}}{6^{2x}} dx;$
21. $\int 2^x 3^x 5^x dx;$
22. $\int \frac{2^x 3^{2x} 4^{3x}}{5^x 6^{2x}} dx;$
23. $\int \frac{e^{3x} - 1}{e^x - 1} dx;$
24. $\int \frac{2^{2x} - 1}{\sqrt{2^x}} dx;$
25. $\int \sin^2 \frac{x}{2} dx;$
26. $\int \cos^2 \frac{x}{2} dx;$
27. $\int \frac{1}{\sin^2 x \cos^2 x} dx;$
28. $\int \frac{\cos(2x)}{\sin^2(2x)} dx;$
29. $\int \operatorname{ctg}^2 x dx;$
30. $\int \operatorname{tg}^2 x dx;$
31. $\int \sqrt{1 + \sin(2x)} dx; , \quad x \in (0, \frac{\pi}{2})$
32. $\int (2\operatorname{ch}x - 3\operatorname{sh}x) dx;$
33. $\int \operatorname{th}^2 x dx;$
34. $\int \frac{1}{x-1} dx;$
35. $\int \frac{1}{2x+3} dx;$
36. $\int \frac{1}{(x+2)(x+3)} dx;$
37. $\int \frac{x+3}{(x+2)(x-1)} dx;$
38. $\int \frac{2+x}{1+x} dx;$
39. $\int \frac{x}{1+2x} dx;$
40. $\int (x-1)^{10} dx;$
41. $\int (2x+5)^{17} dx;$
42. $\int \frac{1}{(1-3x)^{30}} dx;$
43. $\int \frac{1}{\sqrt{1-2x}} dx;$
44. $\int \frac{1}{\sqrt[5]{(1+3x)^4}} dx;$
45. $\int \sqrt[15]{1+4x} dx;$

46. $\int x(x-2)^5 dx;$
47. $\int x\sqrt{1-2x} dx;$
48. $\int (x+2)\sqrt{x-2} dx;$
49. $\int \frac{2x-7}{\sqrt{1+3x}} dx;$
50. $\int \frac{x^2+1}{x+1} dx;$
51. $\int \frac{x^2+1}{2x-1} dx;$
52. $\int (2x+3)^2(1-x)^8 dx;$
53. $\int \frac{x-4}{\sqrt{x^2-2}} dx;$
54. $\int \frac{x^3}{x^2-4} dx;$
55. $\int \frac{x}{\sqrt{1-x^4}} dx;$
56. $\int \frac{3x-1}{\sqrt{x^2+4}} dx;$
57. $\int \frac{x+2}{\sqrt{x^2-10}} dx;$
58. $\int \frac{1-4x}{\sqrt{1-2x^2}} dx;$
59. $\int x\sqrt{1-x^2} dx;$
60. $\int x(1-x^2)^5 dx;$
61. $\int \frac{x}{1+x^4} dx;$
62. $\int \frac{x^2}{x^6-5} dx;$
63. $\int \frac{x^4}{\sqrt{3+x^5}} dx;$
64. $\int \frac{1}{x \ln^5 x} dx;$
65. $\int \frac{1}{x\sqrt{\ln x}} dx;$
66. $\int \frac{1}{x(\ln x+3)} dx;$
67. $\int \frac{1}{x(2+\ln^2 x)} dx;$
68. $\int \frac{\sqrt[3]{\ln^2 x}}{x} dx;$
69. $\int \frac{e^x+e^{2x}}{1-e^x} dx;$
70. $\int \frac{e^x}{1+e^x} dx;$
71. $\int \sin(5x) dx;$
72. $\int \cos \frac{x}{7} dx;$
73. $\int \cos(ax) \sin(bx) dx; , a \neq \pm b$
74. $\int \cos(ax) \cos(bx) dx; , a \neq \pm b$
75. $\int \sin(ax) \sin(bx) dx; , a \neq \pm b$
76. $\int \sin^2 x \cos(ax) dx; , a \neq \pm 2, a \neq 0$
77. $\int \cos^3 x \sin(bx) dx; , b \neq \pm 1, b \neq \pm 3$
78. $\int x \sin x^2 dx;$
79. $\int \frac{\cos \sqrt{x}}{\sqrt{x}} dx;$
80. $\int \frac{\cos x}{1+\sin x} dx;$
81. $\int \sin^2 x dx;$
82. $\int \cos^2 x dx;$
83. $\int (\sin x + 2 \cos x)^2 dx;$
84. $\int e^x \cos e^x dx;$
85. $\int \frac{\cos x}{1+\cos^2 x} dx;$
86. $\int \frac{1}{\sin^2(7x)} dx;$
87. $\int \frac{1}{\cos^2(8x)} dx;$
88. $\int \frac{1}{\sin(3x)} dx;$
89. $\int \frac{1}{\cos x} dx;$
90. $\int \operatorname{tg} x dx;$

91. $\int \operatorname{ctg} x dx;$
92. $\int \frac{1}{1 + \cos x} dx;$
93. $\int \frac{1}{\sin x + \cos x} dx;$
94. $\int \frac{1 + \cos x}{(x + \sin x)^3} dx;$
95. $\int \frac{\sin(2x)}{\sqrt{1 - 4 \sin^2 x}} dx;$
96. $\int \frac{\sin x}{\sqrt{2 - \sin^2 x}} dx;$
97. $\int \frac{1}{\cos^2 x (1 + \operatorname{tg} x)} dx;$
98. $\int \frac{1}{\sin^2 x (1 + \operatorname{tg} x)} dx;$
99. $\int \frac{\sin x \cos x}{\sqrt{3 - \sin^4 x}} dx;$
100. $\int \frac{\operatorname{arctg}(3x)}{1 + 9x^2} dx;$
101. $\int \frac{x + \sqrt{\operatorname{arctg}(2x)}}{1 + 4x^2} dx;$
102. $\int \frac{\arcsin x - \arccos x}{\sqrt{1 - x^2}} dx;$
103. $\int \frac{x + \arcsin^3(2x)}{\sqrt{1 - 4x^2}} dx;$
104. $\int \frac{x + \arccos^{3/2} x}{\sqrt{1 - x^2}} dx;$
105. $\int (\operatorname{sh} x - \operatorname{ch} x)^2 dx;$
106. $\int \frac{1}{\operatorname{sh}^2 x \operatorname{ch}^2 x} dx;$
107. $\int x \sin x dx;$
108. $\int x \cos^2 x dx;$
109. $\int x \sin^3 x dx;$
110. $\int \frac{x}{\cos^2 x} dx;$
111. $\int x \operatorname{ctg}^2 x dx;$
112. $\int \frac{x \sin x}{\cos^2 x} dx;$
113. $\int \ln^2 x dx;$
114. $\int \frac{\ln x}{x^2} dx;$
115. $\int x^2 \ln(1 + x) dx;$
116. $\int x \ln \left(1 + \frac{1}{x}\right) dx;$
117. $\int \frac{x^2}{(1 + x^2)^2} dx;$
118. $\int \sqrt{2 - x^2} dx;$
119. $\int \sqrt{x^2 + 3} dx;$
120. $\int \operatorname{arctg} x dx;$
121. $\int \arccos x dx;$
122. $\int x^2 \operatorname{arctg} x dx;$
123. $\int x \arcsin x dx;$
124. $\int \frac{3 + 2x^2}{1 + x^2} \operatorname{arctg} x dx;$
125. $\int e^{ax} \sin(bx) dx;$
126. $\int \cos^2(\ln x) dx;$
127. $\int \frac{\ln(\cos x)}{\cos^2 x} dx;$
128. $\int x \arccos \frac{1}{x} dx;$
129. $\int \sin^4 x dx;$
130. $\int \sin^4 x \cos^2 x dx;$
131. $\int \cos^6 x dx;$
132. $\int \sin^2 x \cos^3 x dx;$
133. $\int \sin^7 x dx;$
134. $\int \frac{1}{\cos^3 x} dx;$
135. $\int \frac{\sin^3 x}{\cos^5 x} dx;$

136. $\int \frac{\cos^2 x}{\sin^4 x} dx;$
137. $\int \frac{\sin^4 x}{\cos x} dx;$
138. $\int \frac{\cos^7 x}{\sin^3 x} dx;$
139. $\int \frac{1}{\cos^5 x} dx;$
140. $\int \frac{1}{\sin^6 x} dx;$
141. $\int \operatorname{ctg}^4 x dx;$
142. $\int \frac{\sin^2 x}{\cos^3 x} dx;$
143. $\int \frac{1}{\sin^3 x \cos^4 x} dx;$
144. $\int \operatorname{ctg}^5 x dx;$
145. $\int \frac{1}{\sin^2 x \cos^4 x} dx;$
146. $\int x^2 \sqrt{a^2 + x^2} dx;$
147. $\int x^2 \sqrt{a^2 - x^2} dx;$
148. $\int x^2 \sqrt{x^2 - a^2} dx;$
149. $\int \frac{x^2}{(a^2 - x^2)^{3/2}} dx;$
150. $\int \frac{x^4}{(x^2 + a^2)^2} dx;$
151. $\int dx (3 - x^2)^3;$
152. $\int dx (1 - x)(1 - 2x)(1 - 3x);$
153. $\int dx \left(\frac{1-x}{x}\right)^2;$
154. $\int dx \frac{x+1}{\sqrt{x}};$
155. $\int dx \left(1 - \frac{1}{x^2}\right) \sqrt{x\sqrt{x}};$
156. $\int dx \frac{\sqrt{x^4 + x^{-4} + 2}}{x^3};$
157. $\int dx \frac{x^2}{1+x^2};$
158. $\int dx \frac{x^2}{1-x^2};$
159. $\int dx \frac{\sqrt{1+x^2} + \sqrt{1-x^2}}{\sqrt{1-x^4}};$
160. $\int dx \frac{\sqrt{x^2+1} - \sqrt{x^2-1}}{\sqrt{x^4-1}};$
161. $\int dx (2^x + 3^x)^2;$
162. $\int dx a^x e^x;$
163. $\int dx \frac{3 \cdot 2^x - 2 \cdot 3^x}{2^x};$
164. $\int dx \frac{e^{3x} + 1}{e^x + 1};$
165. $\int dx (1 + \sin x + \cos x);$
166. $\int dx (a \sinh x + b \cosh x);$
167. $\int dx (a \arcsin x + b \arccos x);$
168. $\int dx \tan^2 x;$
169. $\int dx \cot^2 x;$
170. $\int dx \frac{1 + \cos^2 x}{1 + \cos 2x};$
171. $\int dx \frac{(1+x)^2}{x(1+x^2)};$
172. $\int dx \frac{1}{(a+bx)^c};$
173. $\int dx \frac{\sqrt[5]{1-2x+x^2}}{1-x};$
174. $\int dx (\cos \alpha - \cos 2x);$
175. $\int dx (e^{-x} + e^{-2x});$
176. $\int dx (\tan x + \cot x);$
177. $\int \frac{dx}{1 + \cos x};$
178. $\int \frac{dx}{1 - \cos x};$
179. $\int \frac{dx}{1 + \sin x};$
180. $\int \frac{dx}{\cosh^2(x/2)};$

181. $\int \frac{dx}{\sinh^2(x/2)}$;
182. $\int \frac{x dx}{\sqrt{a^2 - x^4}}$;
183. $\int dx \frac{1}{x^2} \sin \frac{1}{x}$;
184. $\int dx x e^{-x^2}$;
185. $\int \frac{dx}{e^x + e^{-x}}$;
186. $\int dx \frac{\ln^2 x}{x}$;
187. $\int \frac{dx}{x \ln x \ln(\ln x)}$;
188. $\int dx \frac{\sin x}{\sqrt{\cos 2x}}$;
189. $\int dx \frac{\cos x}{\sqrt{\cos 2x}}$;
190. $\int dx \sqrt{\frac{\ln(x + \sqrt{1 + x^2})}{1 + x^2}}$;
191. $\int dx \frac{x^2 + 1}{x^2 - 1}$;
192. $\int dx \sqrt{\frac{1 - x}{1 + x}}$;
193. $\int dx \frac{x^2 - 1}{x^4 + 1}$;
194. $\int dx \frac{x^{n/2}}{\sqrt{1 + x^{n+2}}}$;
195. $\int dx \frac{1}{1 - x^2} \ln \frac{1 + x}{1 - x}$;
196. $\int dx \frac{\sin x \cos x}{\sin^4 + \cos^4}$;
197. $\int dx \frac{1 + x}{1 - x}$;
198. $\int dx \frac{x^2}{1 + x}$;
199. $\int dx \frac{x^2}{(1 - x)^{100}}$;
200. $\int \frac{dx}{\sqrt{x + 1} + \sqrt{x - 1}}$;
201. $\int \frac{dx}{x^2 + x - 2}$;
202. $\int \frac{dx}{(x^2 + 1)(x^2 + 2)}$;
203. $\int dx \frac{x}{x^4 + 3x^2 + 2}$;
204. $\int \frac{dx}{(x + a)^2(x + b)^2}, \quad a \neq b$;
205. $\int \frac{dx}{(x^2 + a^2)(x^2 + b^2)}, \quad a^2 \neq b^2$;
206. $\int dx \sin(2x - \frac{\pi}{6}) \cos(3x + \frac{\pi}{6})$;
207. $\int dx x^2 \sqrt[3]{1 - x}$;
208. $\int \frac{dx}{e^{x/2} + e^x}$;
209. $\int dx \frac{\arctan \sqrt{x}}{\sqrt{x}} \frac{1}{1 + x}$;
210. $\int dx \frac{x^5}{\sqrt{1 - x^2}}$;
211. $\int \frac{dx}{(x^2 + a^2)^{3/2}}$;
212. $\int \frac{dx}{\sqrt{(x - a)(b - x)}}$;
213. $\int dx \sqrt{(x - a)(b - x)}$;
214. $\int \frac{dx}{\sqrt{(x + a)(b + x)}}$;
215. $\int dx \sqrt{(x + a)(b + x)}$;
216. $\int dx \sqrt{\frac{a + x}{a - x}}$;
217. $\int dx e^{\sqrt{x}}$;
218. $\int dx \sin \sqrt[3]{x}$;
219. $\int dx \frac{e^{\sqrt{x}}}{\sqrt{x}}$;
220. $\int dx \frac{\sin x}{e^{\cos x}}$;
221. $\int dx \ln x$;
222. $\int dx x^n \ln x, \quad n \neq -1$;
223. $\int dx \left(\frac{\ln x}{x}\right)^2$;
224. $\int dx \sqrt{x} \ln^2 x$;
225. $\int dx x e^{-x}$;
226. $\int dx x \sinh x$;
227. $\int dx x^2 \sin 2x$;
228. $\int dx x \cos x$;
229. $\int dx x^3 e^{-x^2}$;
230. $\int dx x^2 e^{-2x}$;

231. $\int dx x^3 \cosh 3x;$
232. $\int dx \arctan x;$
233. $\int dx \arcsin x;$
234. $\int dx x \arctan x;$
235. $\int dx x^2 \arccos x;$
236. $\int dx \frac{\arcsin x}{x^2};$
237. $\int dx \ln(x + \sqrt{1+x^2});$
238. $\int dx x \ln \frac{1+x}{1-x};$
239. $\int dx \arctan \sqrt{x};$
240. $\int dx \sin x \ln(\tan x);$
241. $\int dx x^5 e^{x^2};$
242. $\int dx (\arcsin x)^2;$
243. $\int dx x^2 \ln \frac{1-x}{1+x};$
244. $\int dx x(\arctan x)^2;$
245. $\int dx \frac{x \ln(x + \sqrt{1+x^2})}{\sqrt{1+x^2}};$
246. $\int dx \frac{x^2}{(1+x^2)^2};$
247. $\int dx x^2 \sqrt{a^2+x^2};$
248. $\int dx \frac{e^{\arctan x}}{(1+x^2)^{3/2}};$
249. $\int dx \sin(\ln x);$
250. $\int dx \cos(\ln x);$
251. $\int dx e^{ax} \cos(bx);$
252. $\int dx e^{ax} \sin(bx);$
253. $\int dx e^{2x} \sin^2(bx);$
254. $\int dx (e^x - \cos x)^2;$
255. $\int dx \frac{\arctan e^x}{e^x};$
256. $\int dx \frac{\ln(\sin x)}{\sin^2 x};$
257. $\int dx \frac{\arctan e^x}{e^x};$
258. $\int dx \frac{x}{\cos^2 x};$
259. $\int dx x e^x (x+1)^2;$
260. $\int dx x \sin^2 x;$
261. $\int \frac{dx}{a^2+x^2}, \quad a \neq 0;$
262. $\int \frac{dx}{a^2-x^2}, \quad a \neq 0;$
263. $\int \frac{xdx}{a^2 \pm x^2};$
264. $\int \frac{dx}{\sqrt{a^2-x^2}}, \quad a > 0;$
265. $\int \frac{dx}{\sqrt{x^2 \pm a^2}}, \quad a > 0;$
266. $\int dx \sqrt{a^2-x^2}, \quad a > 0;$
267. $\int dx \sqrt{x^2 \pm a^2}, \quad a > 0;$
268. $\int \frac{dx}{a+bx^2}, \quad ab \neq 0;$
269. $\int \frac{dx}{x^2-x+2};$
270. $\int dx \frac{x+1}{x^2+x+1};$
271. $\int \frac{xdx}{x^2-2x \cos \alpha + 1};$
272. $\int \frac{x^3 dx}{x^4-x^2+2};$
273. $\int \frac{dx}{3 \sin^2 x - 8 \sin x \cos x + 5 \cos^2 x};$
274. $\int \frac{dx}{\sin x + 2 \cos x + 3};$
275. $\int \frac{dx}{\sqrt{a+bx^2}}, \quad b \neq 0;$
276. $\int \frac{x}{\sqrt{5+x-x^2}} dx;$
277. $\int \frac{x+1}{\sqrt{s^2+x+1}} dx;$
278. $\int \frac{1}{x\sqrt{x^2+x+1}} dx;$
279. $\int \frac{1}{x^2\sqrt{x^2+x+1}} dx;$
280. $\int \frac{1}{(x+2)^2\sqrt{x^2+2x-5}} dx;$

$$281. \int \sqrt{2+x-x^2} dx;$$

$$282. \int \sqrt{2+x+x^2} dx;$$

$$283. \int \frac{x+2}{x^2+2x+2} dx;$$

$$284. \int \frac{x-3}{\sqrt{x^2+2x+2}} dx;$$

$$285. \int \frac{3x-1}{4x^2-4x+17} dx;$$

$$286. \int \frac{\sqrt{x}}{\sqrt{2x+3}} dx;$$

$$287. \int \sqrt{\frac{a-x}{x-b}} dx;$$

$$288. \int \frac{1}{1-\sin(3x)} dx;$$

$$289. \int \frac{\sin(2x)}{4-\cos^2(2x)} dx;$$

$$290. \int \frac{1}{e^x+1} dx;$$

$$291. \int \frac{1+\operatorname{tg}x}{1-\operatorname{tg}x} dx;$$

$$292. \int \frac{1}{\sqrt{3}\cos x + \sin x} dx;$$

$$293. \int \frac{\sin x}{1+\sin x} dx;$$

$$294. \int \frac{\sin^2 x \cos x}{1+\sin^2 x} dx;$$

$$295. \int \frac{\ln(\ln x)}{x} dx;$$

$$296. \int \frac{\sqrt{(x^2-a^2)^5}}{x} dx;$$

$$297. \int \frac{1}{x^4\sqrt{x^2+4}} dx;$$

$$298. \int \frac{\sqrt[3]{x}}{x(\sqrt{x}+\sqrt[3]{x})} dx;$$

$$299. \int \frac{x^7}{(1-x^2)^5} dx;$$

$$300. \int \frac{\ln(x+1)-\ln x}{x(x+1)} dx;$$