

1. $\int_0^{\infty} \frac{1}{(x^2 + a^2)(x^2 + b^2)} dx$	2. $\int_{\frac{\pi}{4}}^{\frac{\pi}{2}} \cos 2x \log 2x dx$	3. $\int_0^{2\pi} e^x \sin\left(\frac{\pi}{4} + \frac{x}{2}\right) dx$
4. $\int_0^{\frac{\pi}{2}} \sqrt{\tan x} + \sqrt{\cot x} dx$	5. $\int_0^{\frac{\pi}{2}} \frac{1}{4\sin^2 x + 5\cos^2 x} dx$	6. $\int_0^1 x \sqrt{\frac{1-x^2}{1+x^2}} dx$
7. $\int_0^2 x^2 + 2x - 3 dx$	8. $\int_0^3 [x] dx$	9. $\int_0^2 [x^2] dx$
10. $\int_0^{\frac{\pi}{2}} \log(\tan x) dx$	11. $\int_0^{\frac{\pi}{4}} \log(1 + \tan x) dx$	12. $\int_0^1 x(1-x)^n dx$
13. $\int_0^4 \frac{1}{x + \sqrt{x}} dx$	14. $\int_0^1 5x - 3 dx$	15. $\int_1^2 \frac{\sqrt{x}}{\sqrt{3-x} + \sqrt{x}} dx$
16. $\int_0^{\frac{\pi}{2}} \frac{x}{1 + \sin x} dx$	17. $\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \cos x \log\left(\frac{1+x}{1-x}\right) dx$	18. $\int_0^{\frac{\pi}{2}} \frac{\sin x}{1 + \cos^2 x} dx$
19. $\int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} x^3 \sin^4 x dx$	20. $\int_{-1}^1 e^{ x } dx$	21. $\int_0^{\frac{\pi}{2}} \frac{x}{a^2 \cos^2 x + b^2 \sin^2 x} dx$
22. $\int_0^{\frac{\pi}{2}} \sin 2x \log \tan x dx$	23. $\int_2^5 x - 3 dx$	24. $\int_0^1 \frac{\log x}{\sqrt{1-x^2}} dx$
25. $\int_0^{\frac{\pi}{2}} \frac{\sin^2 x}{\sin x + \cos x} dx$	26. $\int_0^{\frac{\pi}{2}} \frac{x \sin x}{1 + \cos^2 x} dx$	27. $\int_0^{\frac{\pi}{2}} \frac{x}{a^2 \cos^2 x + b^2 \sin^2 x} dx$
28. $\int_0^{\frac{\pi}{2}} \frac{x}{\cos x + \sin x} dx$	29. $\int_0^{\frac{\pi}{2}} \frac{\cos x}{1 + \cos x + \sin x} dx$	30. $\int_0^{\frac{\pi}{2}} \frac{e^{\cos x}}{e^{\cos x} + e^{-\cos x}} dx$
31. $\int_0^1 \frac{\tan^{-1} x}{1+x^2} dx$	32. $\int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} x^3 \sin^4 x dx$	33. $\int_0^{\frac{\pi}{2}} \left(\sin^2 \frac{x}{2} - \cos^2 \frac{x}{2} \right) dx$
34. $\int_2^4 [x] dx$	35.	36.
37. $\int_0^{\infty} e^{-x} dx$	38. $\int_0^a 3x^2 dx$	39. $\int_0^2 x^2 + 2x - 3 dx$
40. $\int_1^2 \log x dx$	41. $\int_0^{\frac{\pi}{2}} \frac{\sin 2x}{\sin x} dx$	42. $\int_0^{\frac{\pi}{2}} \frac{\sin x - \cos x}{1 + \sin x \cos x} dx$

43. $\int_0^{\frac{\pi}{2}} \frac{\sin^5 x}{\sin^5 x + \cos^5 x} dx$	44. $\int_0^{\pi} \frac{x \sin x}{1 + \cos^2 x} dx$	45. $\int_0^{\pi} \frac{x}{1 + \sin x} dx$
46. $\int_0^{\pi} \frac{1}{a^2 \cos^2 x + b^2 \sin^2 x} dx$	47. $\int_0^{\pi} \frac{x \tan x}{\sec x \cos ec x} dx$	48. $\int_0^{\frac{\pi}{2}} \log \sin x dx$
49. $\int_0^{\frac{\pi}{4}} \log(1 + \tan \theta) d\theta$	50. $\int_{-1}^1 \log \frac{2+x}{2-x} dx$	51. $\int_0^{\frac{\pi}{2}} (\sqrt{\tan x} + \sqrt{\cot x}) dx$
52. $\int_0^1 \frac{\log x}{1+x^2} dx$	53. $\int_0^{\pi} \frac{x}{4 - \cos^2 x} dx$	54. $\int_1^4 (x-1 + x-2 + x-4) dx$
55. $\int_{-1}^{1/2} x \cos \pi x dx$	56. $\int_0^{\pi} \frac{e^{\cos x}}{e^{\cos x} + e^{-\cos x}} dx$	57. $\int_{\frac{\pi}{6}}^{\frac{\pi}{3}} \frac{\sin x + \cos x}{\sqrt{\sin 2x}} dx$
58. $\int_0^{\pi} \frac{x}{1 + \sin x} dx$	59. $\int_0^{\pi} \frac{x \sin x}{1 + \cos^2 x} dx$	60. $\int_{-1}^2 x^3 - x dx$
61. $\int_{\frac{\pi}{6}}^{\frac{\pi}{3}} \frac{dx}{1 + \sqrt{\tan x}}$	62. $\int_0^{\frac{\pi}{2}} (2 \log \sin x - \log \sin 2x) dx$	63. $\int_0^{\frac{\pi}{2}} \left(\log \frac{4 + 3 \sin x}{4 + 3 \cos x} \right) dx$
64. $\int_0^1 x(1-x)^n dx$	65. $\int_0^1 5x-3 dx$	66. $\int_0^{\pi} \frac{x \tan x}{\sec x \tan x} dx = \frac{\pi^2}{4}$
67. $\int_0^{\frac{\pi}{2}} \frac{\sin 2\theta}{\sin^4 \theta + \cos^4 \theta} d\theta$	68. $\int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} x^3 \sin^4 x dx$	69. $\int_{-1}^{\frac{3}{2}} x \sin(\pi x) dx$
70. $\int_0^{\pi} \frac{x \tan x}{\sec x + \tan x} dx$	71. $\int_1^2 \frac{\sqrt{x}}{\sqrt{3-x} + \sqrt{x}} dx$	72. $\int_0^{\frac{\pi}{2}} \frac{\sin x - \cos x}{1 + \sin x \cos x} dx$
73. $\int_0^{\frac{\pi}{4}} \frac{\sin x \cos x}{\cos^4 x + \sin^4 x} dx$	74. $\int_0^1 \cot^{-1}(1-x+x^2) dx =$ $\frac{\pi}{2} - \log 2$	75. $\int_0^1 x \sqrt{\frac{1-x^2}{1+x^2}} dx$
76. $\int_1^2 \frac{\sqrt{x}}{\sqrt{3-x} + \sqrt{x}} dx$	77. $\int_0^1 \frac{2x}{1+x^2} dx$	78. $\int_0^1 x(1-x)^n dx$

79.	$\int_2^8 \frac{\sqrt[3]{x+1}}{\sqrt[3]{x+1} + \sqrt[3]{11-x}} dx$	80.	$\int_0^1 5x-3 dx$	81.	$\int_{-1}^2 (x+1 + x + x-1) dx$
82.	$\int_{\frac{\pi}{4}}^{\frac{\pi}{2}} \cos 2x \log 2x dx$	83.	$\int_0^{\frac{\pi}{2}} \log(\tan x) dx$	84.	$\int_0^{\frac{\pi}{4}} \log(1 + \tan x) dx.$
85.	$\int_0^{\infty} \frac{1}{(x^2 + a^2)(x^2 + b^2)} dx$	86.	$\int_0^4 \frac{1}{x + \sqrt{x}} dx$	89.	$\int_0^{\pi} \log(1 + \cos x) dx$
87.	$\int_0^{\frac{\pi}{2}} \sin 2x \log \tan x dx$	88.	$\int_0^{\pi/2} \log \left[\frac{3+5 \cos x}{3+5 \sin x} \right] dx$	92.	$\int_0^{2\pi} e^x \sin\left(\frac{\pi}{4} + \frac{x}{2}\right) dx$
90.	$\int_0^1 \frac{\log(1+x)}{1+x^2} dx$	91.	$\int_0^{\frac{\pi}{2}} (2 \log \sin x - \log \sin 2x) dx$	95.	$\int_0^{\frac{\pi}{2}} \frac{1}{4 \sin^2 x + 5 \cos^2 x} dx$
93.	$\int_{\frac{\pi}{4}}^{\frac{\pi}{2}} e^x (\log \sin x + \cot x) dx$	94.	$\int_0^{\frac{\pi}{2}} \sqrt{\tan x} + \sqrt{\cot x} dx$	98.	$\int_0^{\pi} \frac{x}{a^2 \cos^2 x + b^2 \sin^2 x} dx$
96.	$\int_0^{\frac{\pi}{2}} \frac{\sin^2 x}{\sin x + \cos x} dx$	97.	$\int_0^{\frac{\pi}{2}} \frac{x \sin x}{1 + \cos^2 x} dx$	101.	$\int_0^{\frac{\pi}{2}} \frac{\cos x}{1 + \cos x + \sin x} dx$
99.	$\int_0^{\frac{\pi}{2}} \frac{x}{1 + \sin x} dx$	100.	$\int_0^{\frac{\pi}{2}} \frac{x}{\cos x + \sin x} dx$	104.	$\int_1^3 (x^2 + 5x + 1) dx$ as limit of sum
102.	$\int_0^{\frac{\pi}{2}} \frac{e^{\cos x}}{e^{\cos x} + e^{-\cos x}} dx$	103.	$\int_0^1 e^{2-3x} dx$ as limit of sum	107.	$\int_1^4 (x^2 - x) dx$
105.	$\int_0^2 (x^2 + 3) dx.$	106.	$\int_1^3 (2x^2 + 5x) dx.$	110.	$\int_1^2 (3x^2 - 1) dx$ as limit of sum
108.	$\int_0^4 (x + e^{2x}) dx$	109.	$\int_1^2 (x^2 + 2x - 3) dx$	113.	$\int_0^{\frac{1}{2}} x \cos \pi x dx$
111.	$\int_1^4 (e^{-2x+31}) dx$ as limit of sum	112.	$\int_0^1 \cot^{-1}(1 - x + x^2) dx$	116.	$\int_0^{\pi/2} \frac{x + \sin x}{1 + \cos x} dx$
114.	$\int_0^{\frac{\pi}{2}} \frac{x \sin x}{1 + \sin x} dx$	115.	$\int_0^{\frac{\pi}{2}} \frac{x}{\sin x + \cos x} dx$	119.	$\int_0^{\pi/2} \log \left[\frac{3+5 \cos x}{3+5 \sin x} \right] dx$
117.	$\int_{-\pi/2}^{\pi/2} \sin^5 x \cos^4 x dx$	118.	$\int_{-\pi}^{\pi} \frac{\sin 2x}{a - b \cos x} dx$	122.	$\int_0^{\frac{\pi}{2}} \frac{x \sin x \cos x}{\cos^4 x + \sin^4 x} dx = \frac{\pi^2}{16}$
120.	$\int_0^1 \sin^{-1}\left(\frac{2x}{1+x^2}\right) dx$	121.	$\int_0^1 \tan^{-1}\left(\frac{2x-1}{1+x-x^2}\right) dx$		

123. $\int_0^{\frac{\pi}{2}} \sqrt{\sin \phi} \cos^5 \phi d\phi$	124. $\int_0^{\frac{\pi}{2}} (\sin x - \cos x) \log(\sin x + \cos x) dx$	125. $\int_{\pi/6}^{\pi/3} \frac{dx}{1 + \sqrt{\tan x}}$
126. $\int_0^{\frac{\pi}{2}} \sqrt{\cos \theta} \sin^3 \theta d\theta.$	127. $\int_0^{\frac{\pi}{2}} \frac{\sqrt{\tan x}}{1 + \sqrt{\tan x}} dx$	128. $\int_{-\pi/4}^{\pi/4} \frac{x + \frac{\pi}{4}}{2 - \cos 2x} dx$
129. $\int_0^{\frac{\pi}{2}} \sin 2x \log(\tan x) dx$	130. $\int_{\frac{\pi}{3}}^{\frac{\pi}{4}} (\tan x + \cot x)^2 dx = \frac{2}{\sqrt{3}}$	131. $\int_0^{\frac{\pi}{2}} (\cos 3x \cos 2x) dx = \frac{3}{5}$
132. $\int_{\frac{\pi}{2}}^{\pi} \frac{1 - \sin x}{1 - \cos x} dx = 1 - \log 2$	133. $\int_0^{\frac{\pi}{4}} (\sin 3x \cos 2x) dx$	134. $\int_3^4 \frac{dx}{\sqrt{x^2 + 4}} = \log \frac{4 + \sqrt{20}}{3 + \sqrt{13}}$
135. $\int_3^5 \frac{x^2 dx}{x^2 - 4} = 2 + \log(15/7)$	136. $\int_0^a \frac{dx}{ax + a^2 - x^2} = \frac{1}{\sqrt{5}a} \log \left(\frac{3 + \sqrt{5}}{3 - \sqrt{5}} \right)$	137. $\int_{\frac{1}{4}}^{\frac{1}{2}} \frac{1}{\sqrt{x - x^2}} dx = \frac{\pi}{6}$
138. $\int_0^a \frac{dx}{\sqrt{ax - x^2}} = \pi$	139. If $\int_0^k \frac{dx}{2 + 8x^2} = \frac{\pi}{16}$ prove that $k = \frac{1}{2}$	140. $\int_2^4 \frac{x dx}{x^2 + 1} = \frac{1}{2} \log \frac{17}{5}$
141. $\int_0^1 \frac{x^5 dx}{1 + x^6} = \frac{1}{6} \log 2$	142. $\int_0^1 \frac{x dx}{1 + x^4} = \frac{\pi}{8}$	143. $\int_0^1 \frac{e^x dx}{1 + e^{2x}} = \tan^{-1} e - \frac{\pi}{4}$
144. $\int_0^{\frac{\pi}{3}} \frac{\sec x \tan x dx}{1 + \sec^2 x} = \tan^{-1} 2 - \frac{\pi}{4}$	145. $\int_0^{\frac{\pi}{2}} \frac{\sin x \cos x dx}{1 + \sin^4 x} = \frac{\pi}{8}$	146. $\int_0^{\frac{\pi}{2}} \frac{\sin 2x dx}{\sin^4 x + \cos^4 x} = \frac{\pi}{2}$
147. $\int_0^{\frac{\pi}{2}} \frac{dx}{4 \sin^2 x + 5 \cos^4 x} = \frac{\pi}{4\sqrt{5}}$	148. $\int_0^1 \frac{(\tan^{-1} x)^2 dx}{1 + x^2} = \frac{\pi}{4\sqrt{5}}$	149. $\int_0^{\frac{\pi}{2}} \sqrt{\sin x} \cos^5 x dx = \frac{64}{231}$

150. $\int_0^1 \frac{\sqrt{2+x}}{\sqrt{2-x}} dx = \pi + 2$	151. $\int_0^1 x \sqrt{\frac{1-x^2}{1+x^2}} dx = \frac{\pi}{4} - \frac{1}{2}$	152. $\int_1^2 \frac{x+3}{x(x+2)} dx =$ $\frac{1}{2} \log \frac{8}{3} + \log \frac{3}{2}$
153. $\int_0^{\frac{\pi}{2}} \frac{\sin 2x}{\cos^2 x + 3 \cos x + 2} dx$ $= 3 \log \frac{4}{3} - \log 3$	154. $\int_0^{\frac{\pi}{2}} \frac{dx}{3+2 \cos x} = \frac{2}{\sqrt{5}} \tan^{-1} \left(\frac{1}{\sqrt{5}} \right)$	155. $\int_0^{\frac{\pi}{2}} \frac{dx}{5+4 \sin x} =$ $\frac{2}{3} \tan^{-1} \left(\frac{1}{3} \right)$
156. $\int_0^{\frac{\pi}{2}} \frac{dx}{2 \cos x + 4 \sin x} =$ $\frac{1}{2\sqrt{5}} \log \left(\frac{1+\sqrt{5}}{1-\sqrt{5}} - \frac{2-\sqrt{5}}{2+\sqrt{5}} \right)$	157. $\int_0^{\frac{\pi}{2}} \frac{dx}{3+2 \sin x + \cos x} = \frac{\pi}{4}$	158. $\int_0^{\sqrt{2}} \sqrt{2-x^2} dx = \frac{\pi}{2}$
159. Evaluate: $\int_0^3 \sqrt{9-x^2} dx$	160. Evaluate: $\int_0^a \frac{x^4}{\sqrt{a^2-x^2}} dx$	161. $\int_0^{\infty} \frac{x^3}{(1+x^2)^{\frac{9}{2}}} dx = \frac{2}{35}$
162. $\int_0^{\frac{\pi}{4}} (\sqrt{\tan x} + \sqrt{\cot x}) dx =$ $\frac{\pi}{\sqrt{2}}$	163. $\int_0^{\frac{\pi}{4}} \frac{\sin x + \cos x}{9+16 \sin 2x} dx =$ $\frac{1}{20} \log 3$	164. $\int_0^{\frac{\pi}{2}} \frac{\sqrt{1+\cos x}}{(1-\cos x)^{\frac{5}{2}}} dx = 3/2$
165. $\int_0^{\frac{\pi}{2}} \frac{\cos x}{\left(\cos \frac{x}{2} + \sin \frac{x}{2} \right)^3} dx$	166. $\int_8^{15} \frac{dx}{(x-3)\sqrt{x+1}} = \frac{1}{2} \log \frac{5}{3}$	167. $\int_1^2 \frac{dx}{(x+13)\sqrt{x^2-1}} =$ $\frac{1}{\sqrt{3}}$
168. $\int_0^{\frac{1}{\sqrt{3}}} \frac{dx}{(1+x^2)\sqrt{1-x^2}} =$ $\frac{\pi}{4\sqrt{2}}$	169. $\int_0^1 x \sin^{-1} x dx = \frac{\pi}{8}$	170. $\int_0^1 \tan^{-1} \left(\frac{2x}{1+x^2} \right) dx =$ $\frac{\pi}{2} - \log 2$
171. $\int_0^{\frac{\pi}{2}} e^x \cos x dx = \frac{e^{\frac{\pi}{2}} - 1}{2}$	172. $\int_0^{\frac{1}{2}} \frac{x \sin^{-1} x}{\sqrt{1-x^2}} dx = \frac{1}{2} - \frac{\pi\sqrt{3}}{12}$	173. $\int_0^{\frac{1}{\sqrt{2}}} \frac{\sin^{-1} x}{(1-x^2)^{\frac{3}{2}}} dx =$

		$\frac{\pi}{2} - \frac{1}{2} \log 2$
174. $\int_0^{\frac{\pi}{2}} \sin 2x \tan^{-1}(\sin x) dx =$ $\frac{\pi}{2} - 1$	175. $\int_0^1 \frac{xe^x}{(1+x)^2} dx = \frac{e}{2} - 1$	176. $\int_0^4 \frac{x^2+4}{\sqrt{2x+1}} dx = \frac{58}{5}$
177. $\int_0^3 \frac{1}{x^2(1+x)} dx =$ $\log \frac{2}{3} + \frac{2}{3}$	178. $\int_0^{\frac{\pi}{2}} \frac{\cos x}{3 \cos x + \sin x} dx =$ $\frac{3\pi - 2 \log 3}{20}$	179. $\int_1^e \log x dx = 1$
180. $\int_0^{\frac{\pi}{2}} \frac{1}{1 + \cot^3 x} dx = \frac{\pi}{4}$	181. $\int_0^a \frac{dx}{x + \sqrt{a^2 - x^2}} = \frac{\pi}{4}$	182. $\int_0^{\infty} \frac{dx}{(1+x)(1+x^2)} = \frac{\pi}{4}$
183. $\int_0^a \frac{\sqrt{x} dx}{\sqrt{x} + \sqrt{a-x}} = \frac{a}{2}$	184. $\int_0^a \frac{\sqrt[4]{x+4}}{\sqrt[4]{x+4} + \sqrt[4]{9-x}} dx = \frac{5}{2}$	185. $\int_0^{\frac{\pi}{2}} \frac{\sin x - \cos x}{1 + \sin x \cos x} dx = 0$
186. $\int_0^{2\pi} \frac{\sin 2x}{a - b \sin x} dx = 0$	187. $\int_0^{\frac{\pi}{2}} \log \tan x dx = 0$	188. $\int_0^{\pi} \frac{x}{1 + \sin x} dx = \pi$
189. $\int_0^{\pi} \frac{x \tan x}{\sec x + \tan x} dx =$ $\frac{\pi(\pi - 2)}{2}$	190. $\int_0^{\pi} \frac{x \sin x}{1 + \sin x} dx$	191. $\int_0^{\pi} \frac{x \tan x}{\sec x \tan x} dx = \frac{\pi^2}{4}$
192. $\int_0^{\frac{\pi}{2}} \frac{x \sin x \cos x}{\cos^4 x + \sin^4 x} dx =$ $\frac{\pi^2}{16}$	193. $\int_0^{\pi} x \sin x \cos^4 x dx = \frac{\pi}{5}$	194. $\int_0^{\pi} \frac{e^{\cos x}}{e^{\cos x} + e^{-\cos x}} dx = \frac{\pi}{2}$
195. $\int_0^{\frac{\pi}{2}} \frac{\cos x}{1 + \cos x + \sin x} dx =$ $\frac{\pi}{4} - \frac{1}{2} \log 2$	196. $\int_0^{\frac{\pi}{2}} \frac{x}{\cos x + \sin x} dx =$ $\frac{\pi}{2\sqrt{2}} \log(1 + \sqrt{2})$	197. $\int_0^{\frac{\pi}{2}} \frac{\sin^2 x}{\cos x + \sin x} dx =$ $\frac{1}{\sqrt{2}} \log(1 + \sqrt{2})$

198. $\int_0^2 x\sqrt{2-x} dx = \frac{16\sqrt{2}}{15}$	199. $\int_0^1 x(1-x)^{\frac{2}{3}} dx = \frac{9}{40}$	200. $\int_0^1 x(1-x)^n dx = \frac{1}{(n+1)(n+2)}$
201. $\int_0^1 x(1-x)^5 dx = \frac{1}{42}$	202. $\int_0^1 \frac{x}{(1-x)^{\frac{3}{4}}} dx = \frac{16^\circ}{5}$	203. $\int_0^\pi \frac{1}{a^2 \cos^2 x + b^2 \sin^2 x} dx$
204. $\int_0^\pi \frac{1}{6 \cos^2 x + 4 \sin^2 x} dx = \frac{\pi}{2\sqrt{6}}$	205. $\int_0^\pi \frac{1}{1 + \sin^2 x} dx = \frac{\pi}{3}$	206. $\int_0^\pi \frac{1}{a^2 \cos^2 x + b^2 \sin^2 x} dx = \frac{\pi^2}{2ab}$
207. $\int_0^{\frac{\pi}{2}} \log \sin x dx = -\frac{\pi}{2} \log 2$	208. $\int_0^1 \frac{\log x}{\sqrt{1+x^2}} dx = -\frac{\pi}{2} \log 2$	209. $\int_0^1 \cot^{-1}(1-x+x^2) dx = \frac{\pi}{2} - \log 2$
210. $\int_0^{2\pi} \cos^5 x dx = 0$	211. $\int_{-1}^1 x dx = 1$	212. $\int_2^8 x-5 dx = 9$
213. $\int_1^4 \sqrt{x^2 - 6x + 9} dx = \frac{5}{2}$	214. $\int_{-1}^1 2x-1 dx = \frac{5}{2}$	215. $\int_{-2}^2 2x+3 dx = \frac{25}{2}$
216. $\int_{-1}^2 \frac{ x }{x} dx = 1$	217. $\int_4^6 x-8 dx = 6$	218. $\int_0^4 2-x dx = 4$
219. $\int_{-1}^{+1} 1-x dx = 2$	220. $\int_0^{2\pi} \sin x dx = 4$	221. $\int_0^1 \sin 2\pi x dx = \frac{2}{\pi}$
222. $\int_0^{2\pi} \cos x dx = 4$	223. $\int_0^\pi \cos x dx = 2$	224. $\int_0^{\frac{\pi}{2}} \cos 2x dx = 1$
225. $\int_0^\pi \sqrt{\frac{1+\cos 2x}{2}} dx = 2$	226. $\int_0^{\frac{\pi}{2}} \sin x - \cos x dx = 2(\sqrt{2}-1)$	227. $\int_0^{\frac{\pi}{2}} \sqrt{1-\sin 2x} dx = 2(\sqrt{2}-1)$

228. $\int_{-2}^{+2} 1-x^2 dx = 4$	229. $\int_0^4 x^2 - 5x + 6 dx = \frac{17}{3}$	230. $\int_0^2 x^2 + 2x - 3 dx = 4$
231. $\int_0^2 x^2 - 7x + 2 dx =$ $\frac{176}{6}$	232. $\int_{-1}^{\frac{3}{2}} x \sin \pi x dx = \frac{3}{\pi} + \frac{1}{\pi^2}$	233. $\int_3^6 (x-4 + x-5) dx =$ 5
234. $\int_1^4 (x-1 + x-2 + x-3)$ $= \frac{19}{2}$	235. $\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} (\sin x - \cos x) dx = 0$	236. $\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} (\sin x + \cos x) dx =$ 4
237. $\int_0^1 [5x] dx = 2$	238. $\int_{\frac{\pi}{2}}^{\pi} \sin^5 x dx = 0$	239. $\int_{\frac{\pi}{2}}^{\frac{\pi}{4}} x^3 \cos^3 x dx = 0$
240. $\int_0^3 f(x) dx$ when $f(x) = x + x-1 + x-2 $	241. $\int_0^{\pi/4} \frac{(\sin x + \cos x) dx}{(9+16 \sin 2x)}$	242.
243. $\int_0^{\infty} \frac{1}{(x^2+a^2)(x^2+b^2)} dx$	244. $\int_{\frac{\pi}{4}}^{\frac{\pi}{2}} \cos 2x \log 2x dx$	245. $\int_0^{2\pi} e^x \sin\left(\frac{\pi}{4} + \frac{x}{2}\right) dx$
246. $\int_0^4 \frac{1}{x+\sqrt{x}} dx$	247. $\int_0^{\frac{\pi}{2}} \sqrt{\tan x} + \sqrt{\cot x} dx$	248. $\int_0^{\frac{\pi}{2}} \frac{1}{4 \sin^2 x + 5 \cos^2 x} dx$
249. $\int_0^1 x \sqrt{\frac{1-x^2}{1+x^2}} dx$	250. $\int_0^1 5x-3 dx$	251. $\int_0^2 x^2+2x-3 dx$
252. $\int_0^3 [x] dx$	253. $\int_0^2 [x^2] dx$	254. $\int_1^2 \frac{\sqrt{x}}{\sqrt{3-x} + \sqrt{x}} dx$
255. $\int_0^{\frac{\pi}{2}} \log(\tan x) dx$	256. $\int_0^{\frac{\pi}{4}} \log(1 + \tan x) dx$	257. $\int_0^1 x(1-x)^n dx$
258. $\int_0^{\frac{\pi}{2}} \sin 2x \log \tan x dx$	259. $\int_0^{\frac{\pi}{2}} \frac{\sin^2 x}{\sin x + \cos x} dx$	260. $\int_0^{\frac{\pi}{2}} \frac{x \sin x}{1 + \cos^2 x} dx$
261. $\int_0^{\frac{\pi}{2}} \frac{x}{a^2 \cos^2 x + b^2 \sin^2 x} dx$	262. $\int_0^{\frac{\pi}{2}} \frac{x}{1 + \sin x} dx$	263. $\int_0^{\frac{\pi}{2}} \frac{x}{\cos x + \sin x} dx$
264. $\int_0^{\frac{\pi}{2}} \frac{\cos x}{1 + \cos x + \sin x} dx$	265. $\int_0^{\frac{\pi}{2}} \frac{e^{\cos x}}{e^{\cos x} + e^{-\cos x}} dx$	266. $\int_{-\frac{\pi}{4}}^{\frac{\pi}{4}} x^3 \sin^4 x dx$

267.	$\int_0^{\frac{\pi}{4}} \frac{\sin x + \cos x}{\sin^4 x + \cos^4 x} dx$	268.	$\int_0^{\frac{\pi}{2}} \frac{\cos^2 x}{\cos^2 x + 4 \sin^2 x} dx$	269.	$\int_0^{\frac{\pi}{2}} \frac{x \tan x}{\sec x + \tan x} dx$
270.	$\int_{\frac{\pi}{6}}^{\frac{\pi}{3}} \frac{\sin x + \cos x}{\sqrt{\sin 2x}} dx$	271.	$\int_0^{\frac{\pi}{4}} \frac{\sin x + \cos x}{9 + 16 \sin 2x} dx$	272.	$\int_{\frac{1}{4}}^{\frac{1}{2}} \frac{1}{\sqrt{x - x^2}} dx$
273.	$\int_0^{\frac{\pi}{2}} \sin 2x \log \tan x dx$	274.	$\int_1^2 \frac{\sqrt{x}}{\sqrt{3-x} + \sqrt{x}} dx$	275.	$\int_0^{\frac{\pi}{2}} \frac{e^{\cos x}}{e^{\cos x} + e^{-\cos x}} dx$
276.	$\int_0^{\frac{\pi}{4}} (\sqrt{\tan x} + \sqrt{\cot x}) dx$	277.	$\int_0^{\frac{\pi}{2}} \frac{1}{a^2 \cos^2 x + b^2 \sin^2 x} dx$	278.	$\int_0^{\frac{\pi}{2}} \log \sin x dx$
279.	$\int_0^2 x^2 + 2x - 3 dx$	280.		281.	
282.		283.		284.	
285.		286.		287.	
288.		289.		290.	