INTEGRALES

1. $\int x^3 \, dx$

2. $\int \dfrac{x^3}{3} \, dx$

3. $\int \dfrac{x^4}{6} \, dx$

4. $\int (x^3 + 3) \, dx$

5. $\int (x^2 + 2x - \dfrac{1}{x}) \, dx$

6. $\int \dfrac{x^3 - x^2 + 1}{x} \, dx$

7. $\int \dfrac{dx}{x^2}$

8. $\int \dfrac{dx}{x^5}$

9. $\int \dfrac{x^4 - 2x + 3}{x^6} \, dx$

10. $\int \dfrac{4 \sqrt[3]{x}}{3} \, dx$

11. $\int \dfrac{dx}{\sqrt[4]{x}}$

12. $\int \left(\dfrac{8}{3} \sqrt[3]{x} + 3 \sqrt{x} \right) dx$

13. $\int \sqrt[3]{x} \, (\sqrt{x} + 1) \, dx$

14. $\int (x^2 - 2 \, senx + 8 \, cosx) \, dx$

15. $\int \left(e^x + \dfrac{1}{x} \right) dx$

16. $\int \dfrac{dx}{x \sqrt{x}}$

17. $\int \dfrac{(x + 1) \, (x^2 + 3)}{x^3} \, dx$

18. $\int (\sec^2 x + cosx + x) \, dx$

19. $\int tg^2 x \, dx$

20. $\int \left(\sqrt{x} + \dfrac{1}{\sqrt{x}} \right) dx$

21. $\int \dfrac{\cos^2 x - sen^2 x}{sen^2 x \ \cos^2 x} \, dx$

22. $\int e^x \left(1 + \dfrac{e^{-x}}{x} \right) dx$

23. $\int 5^x \, 3^x \, dx$

24. $\int \left(\dfrac{1}{\sqrt{1 - x^2}} - \dfrac{3}{1 + x^2} \right) dx$

25. $\int \dfrac{dx}{sen^2 x \ \cos^2 x}$

26. $\int \dfrac{2 - sen^3 x}{sen^2 x} \, dx$

27. $\int \dfrac{dx}{3x + 2}$

28. $\int \dfrac{dx}{3 - x}$

29. $\int \dfrac{x \, dx}{2 + x^2}$

30. $\int \dfrac{2 \, dx}{(x + 1)^3}$

31. $\int \dfrac{x^2 \, dx}{1 + x^3}$

32. $\int \dfrac{sen2x \, dx}{3 + sen^2 x}$

33. $\int \dfrac{(x - 3) \, dx}{\sqrt{x^2 - 6x + 1}}$

34. $\int e^x \, \sqrt{2 + e^x} \, dx$

35. $\int \dfrac{\ln \, x}{x} \, dx$

36. $\int x^2 \, \sqrt{x^3 + 1} \, dx$

37. $\int sen \, 5x \, dx$

38. $\int 6x \cos \, x^2 \, dx$

39. $\int \dfrac{\cos \, x \, dx}{1 + sen^2 x}$

40. $\int \dfrac{dx}{\cos^2 x \, \sqrt{1 - tg^2 x}}$

41. $\int x^4 \, e^{x^5} \, dx$

42. $\int \dfrac{(4 \, x^3) \, dx}{1 + x^8}$

43. $\int 2^x \, dx$

44. $\int \dfrac{dx}{x^2 + 9}$

45. $\int e^{7x} \, dx$

46. $\int (e^x + e^{-x}) \, dx$

47. $\int \dfrac{e^{\sqrt{x}}}{\sqrt{x}}$

48. $\int \dfrac{\cos \, x}{e^{sen \, x}} \, dx$

49. $\int \dfrac{dx}{\sqrt{25 - x^2}}$

50. $\int \dfrac{dx}{2 \, x^2 + 9}$

51. $\int (2x + 5)^9 \, dx$

52. $\int \dfrac{(arctgx \,)^3 \, dx}{1 + x^2}$

53. $\int sen^5 x \cos \, x \, dx$

54. $\int \dfrac{\cos \, x}{\sqrt[3]{sen^2 x}} \, dx$

$55. \int \dfrac{dx}{x \ln x}$

$56. \int \dfrac{\cos \sqrt{x}}{\sqrt{x}} dx$

$57. \int (e^x + e^{-x})^2 dx$

$58. \int \dfrac{dx}{(\arccos x)^3 \sqrt{1 - x^2}}$

$59. \int \dfrac{1 + \ln x}{5 + x \ln x} dx$

$60. \int \dfrac{tg^2 x + tgx}{\cos^2 x} dx$

$61. \int \sqrt{\cos x}\ senx\ dx$

$62. \int e^{e^x}\ e^x\ dx$

$63. \int e^x \cos e^x\ dx$

$64. \int \dfrac{dx}{(x + 1)^2 + 1}$

$65. \int \dfrac{sen^3 x}{\sqrt{\cos x}} dx$

$66. \int senlnx\ \dfrac{dx}{x}$

$67. \int \dfrac{x^2\ dx}{2 + x^6}$

$68. \int \dfrac{dx}{x \sqrt{1 - \ln^2 x}} dx$

$69. \int \dfrac{\sqrt{3 + \sqrt{x}}}{\sqrt{x}} dx$

$70. \int \dfrac{\cos^3 x}{sen^3 x} dx$

$71. \int x^3\ e^{-x^4} dx$

$72. \int \dfrac{e^x}{e^{2x} - 2e^x + 1} dx$

$73. \int \dfrac{x\ dx}{\sqrt{1 - x^4}}$

$74. \int x \sqrt{1 + x^2}\ dx$

$75. \int \ln (\cos x)\ tgx\ dx$

$76. \int \dfrac{\ln (\ln x)}{x \ln x} dx$

$77. \int \dfrac{e^{2\ tg x}}{\cos^2 x} dx$

$78. \int \dfrac{senx}{\cos^2 x} dx$

$79. \int sen2 \dfrac{x}{\sqrt{2 - \cos 2x}} dx$

$80. \int sen^3 x\ \cos^2 x\ dx$

$81. \int \dfrac{\cos x}{e^{senx}} dx$

INTEGRACIÓN POR PARTES

$82. \int x\ senx\ dx$

$83. \int x \cos 3x\ dx$

$84. \int x^2 \ln x\ dx$

$85. \int x^3\ e^x\ dx$

$86. \int x^2\ e^{3x}\ dx$

$87. \int x\ e^x\ dx$

$88. \int arcsenx\ dx$

$89. \int x \sqrt{1 + 2x}\ dx$

$90. \int x\ arctgx\ dx$

$91. \int x^2\ senx\ dx$

$92. \int (\ln x)^2\ dx$

$93. \int sen(\ln x)\ dx$

$94. \int \sqrt{x} \ln x\ dx$

$95. \int arctgx\ dx$

$96. \int x^2 \cos x\ dx$

$97. \int \dfrac{x\ dx}{\sqrt{1 + x}}$

$98. \int sen(\ln x)\ dx$

$99. \int \dfrac{2x\ dx}{\cos^2 x}$

$100. \int \dfrac{\ln x}{\sqrt{x}} dx$

$101. \int (x^2 - x)\ e^{-x}\ dx$

$102. \int x^3\ e^{x^2}\ dx$

$103. \int \ln x\ dx$

$104. \int e^x \cos x\ dx$

$105. \int e^x\ sen\ x\ dx$

$106. \int x\ e^{-3x}\ dx$

$107. \int \dfrac{x\ dx}{\cos^2 x}$

$108. \int x\ cosx\ dx$

$109. \int \dfrac{\ln x}{x^3} dx$

$110. \int x^2\ senx\ dx$

$111. \int e^{-3x} \cos x\ dx$

$112. \int x\ (\ln x)^2\ dx$

$113. \int x^3 \ln x\ dx$

$114. \int \dfrac{\ln (\ln x)}{x} dx$

$115. \int \dfrac{x\ dx}{\sqrt{1 - x}}$

$116. \int (x - 3)senx\ dx$

$117. \int \ln (x + \sqrt{1 + x^2})\ dx$

118. $\int \dfrac{x\ arcsenx}{\sqrt{1-x^2}}\ dx$ 　　　　119. $\int x\ arcsenx^2\ dx$ 　　　　120. $\int \sqrt{x}\ (lnx\ )^2\ dx$

INTEGRACIÓN DE FUNCIONES RACIONALES

121. $\int \dfrac{2x-3}{x+2}\ dx$ 　　　122. $\int \dfrac{dx}{x^2-4}$ 　　　123. $\int \dfrac{x-1}{x^2+x-6}\ dx\ 1$

124. $\int \dfrac{2\ dx}{x^2+5x+6}$ 　　　125. $\int \dfrac{x+1}{x\ (x-1)^2}\ dx$ 　　　126. $\int \dfrac{dx}{x^2+2x}\ 2$

127. $\int \dfrac{x^2+1}{x^2+x-6}\ dx$ 　　　128. $\int \dfrac{x^3-1}{x^2+x}\ dx$ 　　　129. $\int \dfrac{x^2+1}{x^2-1}\ dx\ 3$

130. $\int \dfrac{dx}{x^2\ (x+1)}$ 　　　131. $\int \dfrac{dx}{x^2-9}$ 　　　132. $\int \dfrac{x\ dx}{(x-1)^2\ (x+1)}\ 4$

133. $\int \dfrac{6\ dx}{x\ (x-1)\ (x+2)}$ 　　　134. $\int \dfrac{x^2-x+1}{x^3-2x^2+x}\ dx$ 　　　135. $\int \dfrac{2x^2+2x-1}{x+1}\ dx\ 5$

136. $\int \dfrac{(2x^2-7x)\ dx}{x^3-3x^2+4}$ 　　　137. $\int \dfrac{(2x+4)\ dx}{x^2+2x-3}$ 　　　138. $\int \dfrac{dx}{(x+1)(x-2)^2(x+3)}$

139. $\int \dfrac{dx}{x^3+x^2}$ 　　　140. $\int \dfrac{(3x^2+2x+5)\ dx}{(x-2)^2\ (x+1)^2}$ 　　　141. $\int \dfrac{x^5+x^4-8}{x^3-4x}\ dx$

142. $\int \dfrac{x^2-1}{x^2+1}\ dx$ 　　　143. $\int \dfrac{(x-8)\ dx}{x^3-4x^2+4x}$ 　　　144. $\int \dfrac{x+1}{x^3-4x^2+5x-2}\ dx$

145. $\int \dfrac{dx}{x^3+x^2+x}$ 　　　146. $\int \dfrac{dx}{x^2+4}$ 　　　147. $\int \dfrac{dx}{x^2-2x+5}$

148. $\int \dfrac{3\ dx}{x^3-1}$ 　　　149. $\int \dfrac{5x^2-2x+25}{x^3-6x^2+25x}\ dx$ 　　　150. $\int \dfrac{-2x\ dx}{(x-1)^2(x^2+1)}$

INTEGRALES VARIADAS

151. $\int (x^3+3x^2+2x-3)\ dx$ 　　152. $\int (e^x+3)\ dx$ 　　153. $\int \left(e^{-x}+\sqrt[3]{x}-\dfrac{1}{\sqrt[3]{2x}}+\dfrac{1}{x^2}\right)dx$

154. $\int x^2\ e^x\ dx$ 　　　155. $\int \dfrac{dx}{(3x+1)^4}$ 　　　156. $\int \dfrac{3+2x^2}{5+(3x+2/3\ x^3)}\ dx$

157. $\int \dfrac{(2x+1)\ dx}{(x^2+x)^3}$ 　　　158. $\int \dfrac{x}{\cos^2 x}\ dx$ 　　　159. $\int \dfrac{5\ dx}{e^x+e^{-x}}$

160. $\int (1+tag^2\ x^2)\ x\ dx$ 　　　161. $\int sen^2\ x\ dx$ 　　　162. $\int tag^2\ x\ dx$

163. $\int (3+tag^2\ x)\ dx$ 　　　164. $\int \dfrac{\sqrt{1+x}}{\sqrt{1-x}}\ dx$ 　　　165. $\int \sqrt{2+x^2}\ x\ dx$

166. $\int \dfrac{5 \cos x}{\sqrt{1 + sen x}} \, dx$

167. $\int \dfrac{e^{3x} + e^x + 1}{e^x} \, dx$

168. $\int \dfrac{dx}{\sqrt{9 - x^2}}$

169. $\int \dfrac{3 x^3 \, dx}{\sqrt{x^2 + 1}}$

170. $\int \dfrac{5^x}{3^x} \, dx$

171. $\int \dfrac{\ln x}{x^2} \, dx$

172. $\int \left(\dfrac{6 x^2}{sen^2 x^3} + \dfrac{4}{\cos^2 4x} \right) dx$

173. $\int \dfrac{dx}{e^{2x + 1}}$

174. $\int \dfrac{dx}{x^2 + 4}$

175. $\int \dfrac{x^2 \, dx}{x^3 + 4}$

176. $\int \dfrac{e^{3x}}{1 + e^{6x}} \, dx$

177. $\int e^{-5x^2} \, (-5x) \, dx$

178. $\int \dfrac{tgx}{\cos^2 x} \, dx$

179. $\int tgx \, dx$

180. $\int (\cos 5x - 3 \, sen 2x) \, dx$

181. $\int \dfrac{x \, dx}{1 + (x^2 + 3)^2}$

182. $\int \dfrac{\ln x}{x} \, dx$

183. $\int (x - e^x \cos x) \, dx$

184. $\int \dfrac{dx}{1 - sen x}$

185. $\int e^{sen x} \cos x \, dx$

186. $\int sen^3 x \, \cos^3 x \, dx$

187. $\int x \, \cos(1 + x^2) \, dx$

188. $\int \dfrac{dx}{\sqrt{x} \, (1 + \sqrt{x})}$

189. $\int \dfrac{x + 9}{x^2 - 9} \, dx$

190. $\int \dfrac{5 e^x}{2 + e^x} \, dx$

191. $\int \dfrac{x - \sqrt{x}}{\sqrt{x} - \sqrt[3]{x}} \, dx$

192. $\int \dfrac{dx}{1 - sen^2 x}$

193. $\int \dfrac{x \, dx}{x + \sqrt{x}}$

194. $\int \dfrac{tg^3 x}{\cos^2 x} \, dx$

195. $\int \dfrac{e^{tgx}}{\cos^2 x} \, dx$

196. $\int \dfrac{2x}{9 + 5 x^2} \, dx$

197. $\int \dfrac{2 x^3 + x^2 + 3x + 1}{x + 1} \, dx$

198. $\int \dfrac{1 + sen^2 x}{sen x \, \cos x} \, dx$

199. $\int \dfrac{\cos x}{sen^3 x} \, dx$

200. $\int \dfrac{2x \, dx}{\sqrt{1 - x^4}} \, dx$

SOLUCIONES A LAS INTEGRALES

1. $\dfrac{x^4}{4} + c$

2. $\dfrac{x^4}{12} + c$

3. $\dfrac{x^5}{30} + c$

4. $\dfrac{x^4}{4} + 3x + c$

5. $\dfrac{x^3}{3} + x^2 - \ln|x| + c$

6. $\dfrac{x^3}{3} + \dfrac{x^2}{2} + \ln|x| + c$

7. $-\dfrac{1}{x} + c$

8. $-\dfrac{1}{4\,x^4} + c$

9. $-\dfrac{1}{x} + \dfrac{1}{2\,x^4} - \dfrac{3}{5\,x^5} + c$

10. $\sqrt[3]{x^4} + c$

11. $\dfrac{4\sqrt[4]{x^3}}{3} + c$

12. $2\sqrt[3]{x^4} + 2\sqrt{x^3} + c$

13. $\dfrac{6}{11}\sqrt[6]{x^{11}} + \dfrac{3}{4}\sqrt[3]{x^4} + c$

14. $\dfrac{x^3}{3} + 2\cos x + 8\,sen\,x + c$

15. $e^x + \ln|x| + c$

16. $\dfrac{-2}{\sqrt{x}} + c$

17. $x + \ln|x| - \dfrac{3}{x} - \dfrac{3}{2\,x^2} + c$

18. $tg\,x + sen\,x + \dfrac{x^2}{2} + c$

19. $tg\,x - x + c$

20. $\dfrac{2\sqrt{x^3}}{3} + 2\sqrt{x} + c$

21. $-\,cotg\,x - tg\,x + c$

22. $e^x + \ln|x| + c$

23. $\dfrac{15^x}{\ln 15} + c$

24. $arcsen\,x - 3\,arctg\,x + c$

25. $tg\,x - cotg\,x + c$

26. $-2\,cotg\,x + \cos x + c$

27. $\dfrac{1}{3}\ln|3x + 2| + c$

28. $-\ln|3 - x| + c$

29. $\dfrac{1}{2}\ln\left|2 + x^2\right| + c$

30. $\dfrac{-1}{(x+1)^2} + c$

31. $\dfrac{1}{3}\ln\left|1 + x^3\right| + c$

32. $\ln\left|3 + sen^2 x\right| + c$

33. $\sqrt{x^2 - 6x + 1} + c$

34. $\dfrac{2\sqrt{(2 + e^x)^3}}{3} + c\,1$

35. $\dfrac{\ln^2 x}{2} + c$

36. $\dfrac{2\sqrt{(x^3 + 1)^3}}{9} + c$

37. $-\dfrac{1}{5}\cos 5x + c$

38. $3\,sen\,x^2 + c$

39. $arctg\,(sen\,x) + c$

40. $arc\,sen\,(tg\,x) + c$

41. $\dfrac{e^{x^5}}{5} + c$

42. $arc\,tg\,x^4 + c$

43. $\dfrac{2^x}{\ln 2} + c$

44. $\dfrac{1}{3} \arctan \dfrac{x}{3} + c$

45. $\dfrac{e^{7x}}{7} + c$

46. $e^x - e^{-x} + c$

47. $2e^{\sqrt{x}} + c$

48. $-e^{-\operatorname{sen} x} + c$

49. $\operatorname{arc\,sen}\left(\dfrac{x}{5}\right) + c$

50. $\dfrac{1}{3\sqrt{2}} \arctan\left(\dfrac{\sqrt{2}\,x}{3}\right) + c$

51. $\dfrac{(2x+5)^{10}}{20} + c$

52. $\dfrac{(\arctan x)^4}{4} + c$

53. $\dfrac{\operatorname{sen}^6 x}{6} + c$

54. $3\sqrt[3]{\operatorname{sen} x} + c$

55. $\ln\big|\ln|x|\big| + c$

56. $2\operatorname{sen}\sqrt{x} + c$

57. $\dfrac{e^{2x}}{2} + 2x - \dfrac{e^{-2x}}{2} + c$

58. $\dfrac{(\arccos x)^2}{2} + c$

59. $\ln\big|5 + x\ln x\big| + c$

60. $\dfrac{tg^3 x}{3} + \dfrac{tg^2 x}{2} + c$

61. $\dfrac{-2\sqrt{(\cos x)^3}}{3} + c$

62. $e^{e^x} + c$

63. $\operatorname{sen} e^x + c$

64. $\arctan (x+1) + c$

65. $-2\sqrt{\cos x} + \dfrac{2\sqrt{(\cos x)^5}}{5} + c$

66. $-\cos(\ln x) + c$

67. $\dfrac{1}{3\sqrt{2}} \arctan\left(\dfrac{x^3}{\sqrt{2}}\right) + c$

68. $\operatorname{arc\,sen}(\ln x) + c$

69. $\dfrac{4\sqrt{(3+\sqrt{x})^3}}{3} + c$

70. $-\dfrac{1}{2\operatorname{sen}^2 x} - \ln\big|\operatorname{sen} x\big| + c$

71. $-\dfrac{1}{4} e^{-x^4} + c$

72. $-\dfrac{1}{e^x - 1} + c$

73. $\dfrac{1}{2} \operatorname{arc\,sen} x^2 + c$

74. $\dfrac{1}{3}\sqrt{(1+x^2)^3} + c$

75. $-\dfrac{\ln^2(\cos x)}{2} + c$

76. $\dfrac{\ln^2(\ln x)}{2} + c$

77. $\dfrac{1}{2} e^{2\,tg\,x} + c$

78. $\dfrac{1}{\cos x} + c$

79. $-\sqrt{2 - \cos 2x} + c$

80. $-\dfrac{\cos^3 x}{3} + \dfrac{\cos^5 x}{5} + c$

81. $e^{-\operatorname{sen} x} + c$

82. $-x\cos x + \operatorname{sen} x + c$

83. $\dfrac{x\operatorname{sen} 3x}{3} + \dfrac{\cos 3x}{9} + c$

84. $\dfrac{x^3 \ln x}{3} - \dfrac{x^3}{9} + c$

85. $x^3 e^x - 3x^2 e^x + 6x e^x + 6 e^x + c$

86. $\dfrac{x^2 e^{3x}}{3} - \dfrac{2}{9} x e^{3x} + \dfrac{2}{27} e^{3x} + c$

87. $x e^x - e^x + c$

88. $x \arcsin x + \sqrt{1 - x^2} + c$

89. $\dfrac{x \sqrt{(1 + 2x)^3}}{3} - \dfrac{1}{15} \sqrt{(1 + 2x)^5} + c$

90. $\dfrac{x^2 \arctan x}{2} - \dfrac{x}{2} + \dfrac{\arctan x}{2} + c$

91. $-x^2 \cos x + 2x \operatorname{sen} x + 2 \cos x + c$

92. $x (\ln x)^2 - 2x \ln x + 2x + c$

93. $2\sqrt{x}\, e^{\sqrt{x}} - 2e^{\sqrt{x}} + c$

94. $\dfrac{2 \sqrt{x^3} \ln x}{3} - \dfrac{4 \sqrt{x^3}}{9} + c$

95. $x \arctan x - \dfrac{1}{2} \ln \left| 1 + x^2 \right| + c$

96. $x^2 \operatorname{sen} x + 2x \cos x - 2 \operatorname{sen} x + c$

97. $2x \sqrt{1 + x} - \dfrac{4 \sqrt{(1 + x)^3}}{3} + c$

98. $\dfrac{x \operatorname{sen}(\ln x) - x \cos(\ln x)}{2} + c$

99. $2x \tan x + 2 \ln \left| \cos x \right| + c$

100. $2\sqrt{x} \ln x - 4\sqrt{x} + c$

101. $-e^{-x} (x^2 - x) - e^{-x} (2x - 1) - 2 e^{-x} + c$

102. $x^2 \dfrac{e^{x^2}}{2} - \dfrac{e^{x^2}}{2} + c$

103. $x \ln x - x + c$

104. $\dfrac{e^x \cos x + e^x \operatorname{sen} x}{2} + c$

105. $\dfrac{e^x \operatorname{sen} x - e^x \cos x}{2} + c$

106. $-\dfrac{x e^{-3x}}{3} - \dfrac{e^{-3x}}{9} + c$

107. $x \tan x + \ln \left| \cos x \right| + c$

108. $x \operatorname{sen} x + \cos x + c$

109. $-\dfrac{\ln x}{2 x^2} - \dfrac{1}{4 x^2} + c$

110. $-x^2 \cos x + 2x \operatorname{sen} x + 2 \cos x + c$

111. $\dfrac{e^{-3x} \operatorname{sen} x}{10} - \dfrac{3 e^{-3x} \cos x}{10} + c$

112. $\dfrac{x^2}{2} (\ln x)^2 - \dfrac{x^2}{2} \ln x + \dfrac{x^2}{4} + c$

113. $\dfrac{x^4}{4} \ln |x| - \dfrac{x^4}{16} + c$

114. $\ln |x| \cdot \ln (\ln |x|) - \ln |x| + c$

115. $-2x \sqrt{1 - x} - \dfrac{4\sqrt{(1 - x)^3}}{3} + c$

116. $-(x - 3) \cos x + \operatorname{sen} x + c$

117. $x \ln \left| x + \sqrt{1 + x^2} \right| - \sqrt{1 + x^2} + c$

118. $-\sqrt{1 - x^2} \arcsin x + x + c$

119. $\dfrac{x^2}{2} \arcsin x^2 + \dfrac{1}{2} \sqrt{1 - x^4} + c$

120. $\dfrac{2}{3} \sqrt{x^3} (\ln x)^2 - \dfrac{8}{9} \sqrt{x^3} (\ln x) + \dfrac{16}{27} \sqrt{x^3} + c$

121. $2x - 7 \ln \left| x + 2 \right| + c$

122. $\dfrac{1}{4} \ln \left| \dfrac{x - 2}{x + 2} \right| + c$

123. $\dfrac{4}{5} \ln \left| x + 3 \right| + \dfrac{1}{5} \ln \left| x - 2 \right| + c$

124. $2 \ln \left| x + 2 \right| - 2 \ln \left| x + 3 \right| + c$

125. $\ln \left| x \right| + \ln \left| x - 1 \right| - \dfrac{2}{x - 1} + c$

126. $\dfrac{1}{2} \ln \left| x \right| - \dfrac{1}{2} \ln \left| x + 2 \right| + c$

127. $x + \ln \left| x - 2 \right| - 2 \ln \left| x + 3 \right| + c$

128. $\dfrac{x^2}{2} - x - \ln \left| x \right| + 2 \ln \left| x + 1 \right| + c$

129. $x - \ln|x+1| + \ln|x-1| + c$

130. $\ln\left|\dfrac{x+1}{x}\right| - \dfrac{1}{x} + c$

131. $\dfrac{1}{6} \ln\left|\dfrac{x-3}{x+3}\right| + c$

132. $\dfrac{1}{4} \ln\left|\dfrac{x+1}{x-1}\right| - \dfrac{1/2}{x-1} + c$

133. $-3 \ln|x| + 2 \ln|x-1| + \ln|x+2| + c$

134. $\ln|x| - \dfrac{1}{x-1} + c$

135. $x^2 - \ln|x+1| + c$

136. $\ln|x+1| + \ln|x-2| + \dfrac{2}{x-2} + c$

137. $\dfrac{1}{2} \ln|x+3| + \dfrac{3}{2} \ln|x-1| + c$

138. $\ln|x+1| - \dfrac{3}{x-2} - 2 \ln|x+2| + c$

139. $- \ln|x| - \dfrac{1}{x} + \ln|x+1| + c$

140. $-\dfrac{7}{3(x-2)} - \dfrac{2}{3(x+1)} + c$

141. $\dfrac{x^3}{3} + \dfrac{x^2}{2} + 4x + \ln\left|\dfrac{x^2 (x-2)^5}{(x+2)^3}\right| + c$

142. $x - 2\ arctg\ x + c$

143. $2 \ln\left|\dfrac{x-2}{x}\right| + \dfrac{3}{x-2} + c$

144. $-3 \ln|x-1| + \dfrac{2}{x-1} + 3 \ln|x-2| + c$

145. $\ln|x| - \dfrac{1}{2} \ln|x^2+x+1| - \dfrac{\sqrt{3}}{3}\ arctg\left(\dfrac{2x+1}{\sqrt{3}}\right) + c$

146. $\dfrac{1}{2}\ arctg\left(\dfrac{x}{2}\right) + c$

147. $\dfrac{1}{2}\ arctg\left(\dfrac{x-1}{2}\right) + c$

148. $\ln\left|\dfrac{x-1}{\sqrt{x^2+x+1}}\right| - \sqrt{3}\ arctg\left(\dfrac{2x+1}{\sqrt{3}}\right) + c$

149. $\ln|x| + 2 \ln|x^2-6x+25| + 4\ arctg\ \dfrac{x-3}{4} + c$

150. $\dfrac{1}{x-1} + arctg\ x + c$

151. $\dfrac{x^4}{4} + x^3 + x^2 - 3x + c$

152. $e^x + 3x + c$

153. $-e^{-x} + \dfrac{3 \sqrt[3]{x^4}}{4} - \dfrac{3}{4} \sqrt[3]{(2x)^2} - \dfrac{1}{x} + c$

154. $x^2 e^x - 2x\ e^x + 2\ e^x + c$

155. $\dfrac{-1}{9(3x+1)^3} + c$

156. $\ln\left|5 + 3x + \dfrac{2}{3}x^3\right| + c$

157. $\dfrac{-1}{2(x^2+x)^2} + c$

158. $x\ tg\ x + \ln|\cos x| + c$

159. $5\ arctg\ e^x + c$

160. $\dfrac{1}{2}\ tg\ x^2 + c$

161. $\dfrac{1}{2}\left(x - \dfrac{sen\ 2x}{2}\right) + c$

162. $tg\ x - x + c$

163. $2x + tg\ x + c$

164. $arcsen\ x - \sqrt{1-x^2} + c$

165. $\dfrac{\sqrt{(2+x^2)^3}}{3} + c$

166. $10\ \sqrt{1 + sen\ x} + c$

167. $\dfrac{e^{2x}}{2} + x - e^{-x} + c$

168. $arc\ sen\left(\dfrac{x}{3}\right) + c$

169. $3 x^2 \sqrt{x^2+1} - 2 \sqrt{(x^2+1)^3} + c$

170. $\left(\dfrac{5}{3}\right)^x \cdot \dfrac{1}{\ln (5/3)} + c$

171. $-\dfrac{\ln x}{x} - \dfrac{1}{x} + c$

172. $- 2 \, cotg(x^3) + tg (4x) + c \; 2$

173. $-\dfrac{1}{2} \, e^{-2x-1} + c$

174. $\dfrac{1}{2} \, arctg\left(\dfrac{x}{2}\right) + c$

175. $\dfrac{1}{3} \, \ln \left| x^3+4 \right| + c$

176. $\dfrac{1}{3} \, arctg(\, e^{3x}) + c$

177. $\dfrac{1}{2} \, e^{-5x^2} + c$

178. $\dfrac{tg^2 x}{2} + c$

179. $- \ln \left| \cos x \right| + c$

180. $\dfrac{sen \, 5x}{5} + \dfrac{3 \cos 2x}{2} + c$

181. $\dfrac{1}{2} \, arctg(\, x^2+3) + c$

182. $\dfrac{\ln^2 \left| x \right|}{2} + c$

183. $\dfrac{x^2}{2} - \dfrac{e^x \, cosx + e^x \, senx}{2} + c$

184. $\dfrac{2}{1 - tg(x/2)} + c$

185. $e^{senx} + c$

186. $\dfrac{sen^4 x}{4} - \dfrac{sen^6 x}{6} + c$

187. $\dfrac{1}{2} \, sen(1 + x^2) + c$

188. $2 \, \ln \left| 1+ \sqrt{x} \right| + c$

189. $2 \ln \left| x - 3 \right| - \ln \left| x+3 \right| + c$

190. $5 \, \ln \left| 2+e^x \right| + c$

191. $\dfrac{2 \sqrt[6]{x^9}}{3} + \dfrac{3 \sqrt[3]{x^4}}{4} + \dfrac{6 \sqrt[6]{x^7}}{7} + c$

192. $tg(x) + c$

193. $x - \sqrt{x} - 2 \ln \left| \sqrt{x}+1 \right| + c$

194. $\dfrac{tg^4 x}{4} + c$

195. $e^{tg \, x} + c$

196. $\dfrac{1}{5} \, \ln \left| 9+5 \, x^2 \right| + c$

197. $\dfrac{2 x^3}{3} - \dfrac{x^2}{2} + 4x - 3 \ln \left| x+1 \right| + c$

198. $\ln \left| sen \, x \right| - 2 \ln \left| \cos x \right| + c$

199. $\dfrac{-1}{2 \, sen^2 x} + c$

200. $arcsen(\, x^2) + c$