1. $\int \dfrac{x\ dx}{(x+1)(x+2)(x+3)}$;
2. $\int \dfrac{x^{10}dx}{x^2+x-2}$;
3. $\int \dfrac{x\ dx}{x^3-3x+2}$;
4. $\int \dfrac{x^4dx}{x^4+5x^2+4}$;
5. $\int \left(\dfrac{x}{x^2-3x+2}\right)^2 dx$;
6. $\int \dfrac{dx}{(x+1)(x+2)^2(x+3)^3}$;
7. $\int \dfrac{dx}{x^5+x^4-2x^3-2x^2+x+1}$;
8. $\int \dfrac{x^2+5x+4}{x^4+5x^2+4}dx$;
9. $\int \dfrac{xdx}{(x-1)^2(x^2+2x+2)}$;
10. $\int \dfrac{dx}{x(1+x)(1+x+x^2)}$;
11. $\int \dfrac{dx}{1+x^3}$;
12. $\int \dfrac{xdx}{x^3-1}$;
13. $\int \dfrac{dx}{x^4-1}$;
14. $\int \dfrac{dx}{x^4+1}$;
15. $\int \dfrac{dx}{(1+x)(1+x^2)(1+x^3)}$;
16. $\int \dfrac{dx}{x^5-x^4+x^3-x^2+x-1}$;
17. $\int \dfrac{dx}{x^4+3x^3+\frac{9}{2}x^2+3x+1}$;
18. $\int \dfrac{dx}{x^4+2x^3+3x^2+2x+1}$;
19. $\int \dfrac{dx}{x^4+2x^3+3x^2+2x+1}$;
20. $\int \dfrac{(x^4+1)}{x^6+1}dx$;
21. $\int \dfrac{dx}{x^2(x^2+1)}$;
22. $\int \dfrac{xdx}{(x-1)^2(x+1)^2}$;
23. $\int \dfrac{dx}{(x^2+1)^3}$;
24. $\int \dfrac{dx}{(x^4+1)^2}$;
25. $\int \dfrac{dx}{(x^3+1)^2}$;
26. $\int \dfrac{x^2dx}{(x^2+2x+2)^2}$;
27. $\int \dfrac{x^2+3x-2}{(x-1)(x^2+x+1)^2}dx$;
28. $\int \dfrac{dx}{(x^4-1)^2}$;
29. $\int \dfrac{x^2+1}{(x^4+x^2+1)^2}dx$;
30. $\int \dfrac{dx}{(x^3+x+1)^3}$;
31. $\int \dfrac{x^2-1}{x^4+x^3+x^2+x+1}dx$
32. $\int \dfrac{1-x^7}{x(1+x^7)}dx$;
33. $\int \dfrac{x^{2n-1}}{x^n+1}dx$;
34. $\int \dfrac{x^{3n-1}}{(x^{2n}+1)^2}dx$;
35. $\int \dfrac{dx}{x(x^{10}+2)}$;
36. $\int \dfrac{x^4}{(x^{10}-10)^2}dx$;
37. $\int \dfrac{x^2+1}{x^4+x^3+1}dx$;
38. $\int \dfrac{2+x}{1+x}dx$;
39. $I_n = \int \dfrac{dx}{(ax^2+bx+c)^n}$, $\quad I_3-?$;
40. $\int \dfrac{dx}{1+x^{2n}}$;

41. $\int \frac{1-x+x^2}{\sqrt{1+x-x^2}}dx;$

42. $\int \frac{dx}{(1+x)\sqrt{1+x+x^2}};$

43. $\int \frac{xdx}{(x-1)^2\sqrt{1+2x-x^2}};$

44. $\int \frac{xdx}{(x^2-1)\sqrt{x^2-x-1}};$

45. $\int \frac{x^2+x+1}{(x+1)^2}dx;$

46. $\int \frac{\sqrt{x+1}-\sqrt{x-1}}{\sqrt{x+1}+\sqrt{x-1}}dx;$

47. $\int \frac{xdx}{\sqrt[4]{x^3(a-x)}}, \quad a>0;$

48. $\int \frac{dx}{\sqrt[n]{(x-a)^{n+1}(x-b)^{n-1}}};$

49. $\int \frac{dx}{1+\sqrt{x}+\sqrt{1+x}};$

50. $\int \frac{xdx}{(1+x)\sqrt{1-x-x^2}};$

51. $\int \frac{x^3dx}{(1+x)\sqrt{1+2x-x^2}};$

52. $\int \frac{dx}{(1+x^2)\sqrt{1-x^2}};$

53. $\int \frac{dx}{(1-x^4)\sqrt{1+x^2}};$

54. $\int \frac{\sqrt{x^2+2}}{(1+x^2)};$

55. $\int \frac{dx}{(x^2+x+1)\sqrt{x^2+x-1}};$

56. $\int \frac{x^2dx}{(4-2x+x^2)\sqrt{2+2x-x^2}};$

57. $\int \frac{(x+1)dx}{(x^2+x+1)\sqrt{x^2+x+1}};$

58. $\int \frac{dx}{(x^2-x+1)\sqrt{x^2+x+1}};$

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

60. $\int \frac{dx}{1+\sqrt{1-2x-x^2}};$

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

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

63. $\int \frac{dx}{(1+\sqrt{x(1+x)})^2};$

64. $\int \frac{dx}{\sqrt{x^2+1}-\sqrt{x^2-1}};$

65. $\int \frac{dx}{\sqrt{2}+\sqrt{1-x}+\sqrt{1+x}};$

66. $\int \frac{\sqrt{x(1+x)}}{\sqrt{x}+\sqrt{x+1}}dx;$

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

68. $\int \frac{(x^2-1)dx}{(x^2+1)\sqrt{x^4+1}};$

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

70. $\int \frac{xdx}{(1-x^3)\sqrt{1-x^2}};$

71. $\int \frac{\sin x-\cos x}{\sin x+2\cos x}dx;$

72. $\int \frac{\sin x}{\sin x-3\cos x}dx;$

73. $\int \frac{a\sin x+b\cos x}{c\sin x+d\cos x}dx$

74. $\int \frac{\sin x+2\cos x-3}{\sin x-2\cos x+3}dx$

75. $\int \frac{\sin x}{\sqrt{2}+\sin x+\cos x}dx$

76. $\int \frac{2\sin x+\cos x}{3\sin x+4\cos x-2}dx$

77. $\int \frac{\sin^2 x-4\sin x\cos x+3\cos^2 x}{\sin x+\cos x}dx$

78. $\int \frac{\sin^2 x-\sin x\cos x+2\cos^2 x}{\sin x+2\cos x}dx;$

79. $\int \frac{\sin x+\cos x}{2\sin^2 x-4\sin x\cos x+5\cos^2 x}dx;$

80. $\int \frac{\sin x-2\cos x}{1+4\sin x\cos x};$

81. $\int \frac{\sqrt{x+1}+2}{(x+1)^2-\sqrt{x+1}}dx;$

82. $\int \frac{dx}{\sqrt[3]{(x-1)(x+1)^2}};$

83. $\int \frac{\sqrt[3]{1+\sqrt[4]{x}}}{\sqrt{x}}dx;$

84. $\int \frac{dx}{\sqrt[4]{1+x^4}};$

85. $\int \frac{dx}{x\sqrt[3]{1+x^5}};$

86. $H_m = \int \frac{x^m}{\sqrt{1-x^2}}dx, \quad m \in Z;$

87. $H_m = \int \frac{x^m}{\sqrt{x^2-1}}dx, \quad m \in Z;$

88. $H_m = \int \frac{x^m}{\sqrt{x^2+1}}dx, \quad m \in Z;$

89. $I_{n+1} = \int \frac{dx}{(x^2+a^2)^{n+1}}, \quad n \in Z;$

90. $I_{n+1} = \int \frac{dx}{(x^2-a^2)^{n+1}}, \quad n \in Z;$

91. $\int \frac{x^3-x+1}{\sqrt{x^2+2x+2}}dx;$

92. $\int \frac{dx}{(x-1)^3\sqrt{x^2-2x-1}};$

93. $\int \frac{dx}{(2x^2-x+2)^{7/2}};$

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

95. $\int \frac{1}{\sin^4 x+\cos^4 x}dx;$

96. $\int \frac{1+\mathrm{tg}^2 x}{(4+\mathrm{tg}^2 x)\mathrm{tg}^3 x}dx;$

97. $\int \frac{2\sin x+\cos x}{(2\cos x-3\sin x)^2}dx;$

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

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

100. $\int \frac{1+3\sin^2 x+2\sin x\cos x}{\sin x-2\cos x}dx;$