1. $x + C$
2. $3x + C$
3. $\dfrac{x^5}{5} - \dfrac{x^8}{4} + C$
4. $x + \dfrac{x^2}{2} - \cos x - \sin x + C$
5. $\dfrac{x^{-2}}{-2} + C$
6. $-x^{-1} + C$
7. $\ln|x| + C$
8. $\ln|x| + C$
9. $\dfrac{4}{3}x^{3/4} + C$
10. $\dfrac{x^4}{8} - \dfrac{x^{-1}}{4} + 2x + C$
11. $\dfrac{2}{7}y^{7/2} + C$
12. $\dfrac{x^{-3}}{-3} + C$
13. $2\sqrt{2x} + C$
14. $\dfrac{2}{5}x^{5/2} + \dfrac{2}{3}x^{3/2} + 4x^{1/2} + C$
15. $\dfrac{(x+5)^4}{4} + C$ or $\dfrac{x^4}{4} + 5x^3 + \dfrac{75x^2}{2} + 125x + C$
16. $\dfrac{x^3}{3} + 2x^2 - 5x + C$
17. $-\dfrac{1}{9}x^{-1} + C$
18. $3\tan x + C$
19. $\sec\theta + C$
20. $-\ln|\csc x + \cot x| + C$
21. $\ln|\sec x| + C$ or $-\ln|\cos x| + C$
22. $-\dfrac{1}{6}\cot x + C$
23. $\dfrac{(x^3-1)^5}{15} + C$
24. $-\dfrac{(1+x^4)^{-1}}{4} + C$
25. $-\dfrac{\left(1+\dfrac{1}{t}\right)^4}{4} + C$
26. $-\dfrac{1}{2}\cos x^2 + C$
27. $-\dfrac{1}{\pi}\cos\pi x + C$
28. $2\ln|\sec\dfrac{x}{2} + \tan\dfrac{x}{2}| + C$
29. $x^2 - 3x + \cos(x+1) + C$
30. $\dfrac{x^2}{2} + \dfrac{1}{2}(x^3+1)^{2/3} + C$
31. $e^x + C$
32. $\dfrac{1}{3}e^{3x} + C$
33. $-e^x + C$
34. $\dfrac{1}{3}e^{x^3} + C$
35. $-\dfrac{1}{3}e^{3/x} + C$
36. $2e^{\sqrt{x}} + C$
37. $-\ln(1+e^{-x}) + C$
38. $-\dfrac{1}{2}\ln|3-2x| + C$
39. $\ln|\ln x| + C$
40. $1 + \sqrt{2x} - \ln(1+\sqrt{2x}) + C$
41. $\ln|1+\sin t| + C$
42. $-\ln|\cot t| + C$
43. $\dfrac{7}{4}\arctan\dfrac{x}{4} + C$
44. $\dfrac{1}{2}\arctan\dfrac{x-1}{2} + C$
45. $\dfrac{1}{2}\arcsin 2x + C$
46. $\dfrac{(\arcsin x)^2}{2} + C$
47. $x\arccos x - \sqrt{1-x^2} + C$
48. $x\sin x + \cos x + C$
49. $x^2e^x - 2xe^x + 2e^x + C$
50. $\dfrac{1}{2}e^x(\sin x + \cos x) + C$

51. $\frac{x^5}{5}\ln x - \frac{x^5}{25} + C$

52. $\frac{x^5}{5} + \frac{x^4}{2} + x^3 + \frac{x^2}{2} - 15x + \frac{16}{3}x^{3/2} + C$

53. $\frac{1}{2}e^{2x-2} + C$

54. $\frac{r^2x^3}{3h} + C$

55. $r^2x^2\ln|h| + C$

56. $\frac{x^5}{160} - \frac{x^6}{384} + C$

57. $ay - \frac{4}{3}a^{1/2}y^{3/2} - \frac{ay^2}{2} + C$

58. $-r\sqrt{r^2 - x^2} + C$

59. $-e^{-x}\left(\frac{x^2}{2} + x + 1\right) + C$

60. $\frac{1}{2}e^{2x} + 2x - \frac{1}{2}e^{-2x} + C$

61. $x^2 + C$

62. $\frac{1}{2}\ln(x^2+1) - 3\arctan x + C$

63. $-8(x+4)^{-1} + 16(x+4)^{-2} + C$

64. $\arcsin x + C$

65. $-\sqrt{1-x^2} + C$

66. $\arctan x + C$

67. $\frac{1}{2}\ln(1+x^2) + C$

68. $x - \arctan x + C$

69. $\frac{(\ln x)^4}{4} + C$

70. $\frac{3}{2}(\ln x)^2 + C$

71. $\frac{1}{\sqrt{2}}\arctan\sqrt{2}x + C$

72. $\frac{14}{3}(1+x)^{1/2} + C$

73. $-2e^{-x}(x+1) + C$

74. $x\tan x + \ln|\cos x| + C$

75. $\ln|\sec x + \tan x| + C$

76. $\frac{1}{27}(9y-5)^{3/2} + C$

77. $\frac{2}{3}(x-1)^{3/2} + C$

78. $\frac{1}{8}(x^2+4)^4 + \ln(1+e^x) + C$

79. $-\frac{1}{2}\csc 2x + C$

80. $\ln|\sec x - 1| + C$

81. $x + 1 - 2\ln|x+1| + C$

82. $\sqrt{x} - 3 + 3\ln|\sqrt{x} - 3| + C$

83. $x - \ln(1+e^x) + C$

84. $\frac{1}{2}\arcsin t^2 + C$

85. $\frac{1}{4}\arctan\frac{e^{2x}}{2} + C$

86. $\frac{1}{8}\sin^4 2x + C$

87. $\frac{1}{20}(2x-1)^{5/2} + \frac{1}{6}(2x-1)^{3/2} - \frac{3}{4}(2x-1)^{1/2} + C$

88. $\frac{1}{3}(x^3+1)\left(\ln(x^3+1) - 1\right) + C$

89. $2\sqrt{e^t - 3} - \frac{6}{\sqrt{3}}\arctan\sqrt{\frac{e^t-3}{3}} + C$

90. $\left(x^{2/3}+1\right)^{3/2} + C$

91. $\frac{y^3}{3} + y + C$

92. $-\arctan(\cos x) + C$

93. $\csc x + \cot x + C$

94. $\frac{1}{2}\left(x^2\arctan x + \arctan x - x\right) + C$

95. $e^{e^x} + C$

96. $\frac{x^2}{2} - 4x + C$

97. $\frac{x^2}{2} + x + 2\ln|x+2| + C$

98. $\arcsin\frac{x-3}{3} + C$

99. $2(\sin\sqrt{x} - \sqrt{x}\cos\sqrt{x}) + C$

100. $\frac{x}{2}(\cos(\ln x) + \sin(\ln x)) + C$