

1. $y=3$

2. $y=x$

3. $y=5x$

4. $y=x$

5. $y=x^4+x^3+x^2+x+1$

6. $y=4x^4-x^3+3x^2-7$

7. $y=-\frac{1}{5}x^5+4x^4-\frac{1}{6}x^3+\frac{1}{2}x^2-3$

8. $y=3(x^2+x+1)$

9. $y=4(3x^3-2x^2+5)+x^2+1$

10. $y=\frac{2x^3-3x^2+4x-5}{2}$

11. $y=(x^2+1)(2x^3-4)$

12. $y=1/x$

13. $y=1/x^3$

14. $y=1/x^5$

15. $y=\frac{2}{x^3}+\frac{1}{x^2}-\frac{3}{x}$

16. $y=\sqrt{x}$

17. $y=\sqrt[3]{x^2}$

18. $y=\sqrt[5]{x^3}$

19. $y=2\cdot\sqrt[3]{x^2}-3x^2+\frac{1}{5}$

20. $y=(x+1)^5$

21. $y=(2x^2-3x+1)^3$

22. $y=(x^2+1)^{100}$

23. $y=\frac{x+1}{x-1}$

24. $y=\frac{1}{x^2+1}$

25. $y=3\frac{2x^2-1}{x^3+1}$

26. $y=\left(\frac{2x-3}{x+4}\right)^4$

27. $y=\sqrt{x^2+1}$

28. $y=2\cdot\sqrt{x^3-x^2+1}\cdot(2x^2+3)$

29. $y=\log_{10}x$

30. $y=\ln x$

31. $y=3\log_2x-4\ln x$

32. $y=\ln(3x^2+4x+5)$

33. $y=\ln\sqrt{x^2-1}$

34. $y=\sqrt{\ln(x^2-1)}$

35. $y=2^x$

36. $y=2^{x^2+x+1}$

37. $y=e^{2x^2-3x+5}$

38. $y=e^{-x}$

39. $y=e^{1/x}$

40. $y=10^{\sqrt{x}}$

41. $y=\text{sen } 2x$

42. $y=\text{sen } x^2$

43. $y=\text{sen}^2x$

44. $y=2 \text{ sen } x$

45. $y=\text{sen}(x^2-2x+1)$

46. $y=\cos\sqrt{x}$

47. $y = \operatorname{tg} \frac{1}{x}$
 48. $y = \operatorname{ctg}(x^2+1)$
 49. $y = \frac{1}{3}x^3 - \frac{3}{4}x^4 + \frac{1}{2}x^2 - \frac{1}{x}$

50. $y = 2/x$
 51. $y = 3(x^2-x+1)(x^2+x-1)$

52. $y = \frac{x^2-1}{x^2+1}$

53. $y = x/2$

54. $y = \frac{1}{x} + \frac{2}{x^2} + \frac{3}{x^3} + \ln x$ (y

55. $y = \ln^3(x+1)$

56. $y = (2x^2-1)(x^2-2)(x^3+1)$

57. $y = \sqrt{\frac{1-x^3}{x^2+1}}$

58. $y = \ln^2 x$

59. $y = \ln x^2$

60. $y = (x^2+1)(x+2)^3$

61. $y = \frac{\ln x}{\sqrt{x}}$

62. $y = \frac{1}{3x^5 - x^3 + 2}$

63. $y = \sqrt{x^4 - 2x^2 + 3}$

64. $y = \sqrt{\ln x}$

65. $y = \sqrt{\frac{x^2+1}{x^2-1}}$

66. $y = \sqrt[3]{x^2+1}$

67. $y = \frac{x^4 - 2x^2 + 1}{5}$

68. $y = \frac{5}{x^4 - 2x^2 + 1}$

69. $y = 3(x+1)^3 \sqrt[3]{x+1}$

70. $y = \ln(x-3)$

71. $y = 4 \ln \sqrt{x}$

72. $y = \sqrt{4 \ln x}$

96. $y = \sqrt{x^2+1} \cdot (x^2-1)^2$

97. $y = \frac{x^2+5}{x^2-4}$

98. $y = \frac{1}{3x^3} + \frac{2}{x^2} - \frac{3}{x} + 5$

99. $y = \sqrt[3]{(x^3+1)^4}$

100. $y = (x+2) \cdot \ln(x+2)$ (

73. $y = x^3 \sqrt{x}$

74. $y = \sqrt{x} \cdot \ln x$

75. $y = \ln \frac{x-1}{x+2}$

76. $y = \ln(x+1) \cdot \log(x-1)$

77. $y = \ln(\ln x)$

78. $y = \frac{3}{\ln(x^2+1)}$

79. $y = \sqrt[3]{\frac{1}{x+2}}$

80. $y = 3 \frac{(x-1)^2(x+2)}{x+1}$ (

81. $y = 7 \frac{3x^2-5}{\ln(3x^2-5)}$ (

82. $y = e^{x^2}$ (

83. $y = x \cdot e^x$ (

84. $y = \frac{e^x}{x}$ (

85. $y = \frac{\sqrt{x}}{\ln x}$ (

86. $y = \frac{2x+4}{\sqrt{x+3}}$ (

87. $y = \arcsin(x^2-4)$ (

88. $y = \arccos \frac{1}{x}$ (

89. $y = \arctg \frac{2x^3-1}{x^2-2}$ (

90. $y = \arcsin \sqrt{1-x^2}$ (

91. $y = \frac{1}{2} \arctg e^{x^2}$ (

92. $y = \operatorname{arctg} \frac{1+x}{1-x}$ (

93. $y = \frac{\ln x}{x^3}$ (

94. $y = \frac{1}{3x^3} + \frac{2}{x^2} - \frac{3}{x} + 5$ (

95. $y = \ln \sqrt{\frac{x+1}{x-1}}$ (

01. $y = \sqrt{x^2+1} \cdot (x^2+1)^3$

102. $y = (2x+1)^3 \sqrt[3]{3x-1}$

103. $y = \sqrt{\frac{x+1}{x-1}}$