

1.  $y = x^5$
2.  $y = x^4$
3.  $y = 3x^3$
4.  $y = -0.5x^2$
5.  $y = -5x$
6.  $y = 7x$
7.  $y = 0.2$
8.  $y = 35$
9.  $y = 12x + 13$
10.  $y = 7x^2 - 9.4x + 12$
11.  $y = 5x^3 + 3x^2 - 2x - 5$
12.  $y = -3.2x^3 + 6.1x - 5.3$
13.  $y = \frac{1}{x^3}$
14.  $y = \frac{1}{x^{-3}}$
15.  $y = \frac{-9}{x^2}$
16.  $y = \frac{3x^2}{x}$
17.  $y = \frac{3x^2 + 1}{x}$
18.  $y = \frac{4x^2 + 19x + 6}{x}$
19.  $y = \sqrt{x}$
20.  $y = 17 - 8\sqrt{x}$
21.  $y = 3 - 7e^x$
22.  $y = 5e^x + 3$
23.  $y = 2.1^x$
24.  $y = 3.5^x$
25.  $y = 12(1.6)^x$
26.  $y = 6(0.8)^x$
27.  $y = 10 \left(1 + \frac{0.05}{4}\right)^{4x}$
28.  $y = 24 \left(1 + \frac{0.06}{12}\right)^{12x}$
29.  $y = 4.2(0.8)^x + 3.5$
30.  $y = 7(1.3^x) - e^x$
31.  $y = 4 \ln x$
32.  $y = -\ln x$
33.  $y = 12 - 7 \ln x$
34.  $y = 3.7e^x - 2 \ln x$
35.  $y = (3.2x + 5.7)^5$
36.  $y = (5x^2 + 3x + 7)^{-1}$
37.  $y = \frac{8}{(x - 1)^3}$
38.  $y = \frac{350}{4x + 7}$
39.  $y = \sqrt{x^2 - 3x}$
40.  $y = \sqrt{x^2 + 5x}$
41.  $y = \ln(35x)$
42.  $y = (\ln 6x)^2$
43.  $y = \ln(16x^2 + 37x)$
44.  $y = e^{3.7x}$

45.  $y = 72e^{0.6x}$

46.  $y = e^{4x^2}$

47.  $y = 1 + 58e^{0.08x}$

48.  $y = 1 + 58e^{1+3x}$

49.  $y = \frac{12}{1 + 18e^{0.6x}} + 7.3$

50.  $y = \frac{37.5}{1 + 8.9e^{-1.2x}} + 89$

51.  $y = (\sqrt{x} - 3x)^3$

52.  $y = 3^{\sqrt{2x}}$

53.  $y = 2^{\ln x}$

54.  $y = \ln(2^x)$

55.  $y = (\ln x)e^x$

56.  $y = (x + 5)e^x$

57.  $y = (3x^2 + 15x + 7)(32x^2 + 49)$

58.  $y = 2.5(0.9^x)(\ln x)$

59.  $y = (12.8x^2 + 3.7x + 1.2)[29(1.7)^x]$

60.  $y = (5x + 29)^5(15x + 8)$

61.  $y = (5.7x^2 + 3.5x + 2.9)^3(3.8x^2 + 5.2x + 7)^{-2}$

62.  $y = \frac{2x^3 + 3}{2.7x + 15}$

63.  $y = \frac{12.6(4.8)^x}{x^2}$

64.  $y = (8x^2 + 13) \left( \frac{39}{1 + 15e^{-0.09x}} \right)$

65.  $y = (79x) \left( \frac{198}{1 + 7.68e^{-0.85x}} + 15 \right)$

66.  $y = [\ln(15.7x^3)](e^{15.7x^3})$

67.  $y = \frac{430(0.62^x)}{6.42 + 3.3(1.46^x)}$

68.  $y = (19 + 12 \ln 2x)(17 - 3 \ln 4x)$

69.  $y = 4x\sqrt{3x + 2} + 93$

70.  $y = \frac{4(3^x)}{\sqrt{x}}$

71.  $y = \frac{14x}{1 + 12.6e^{-0.73x}}$

72.  $y = \frac{1}{(x - 2)^2}(3x^2 - 17x + 4)$