

1	$f(x) = 0$	
2	$f(x) = -7$	
3	$f(x) = -7x$	
4	$f(x) = -5x + 2$	
5	$f(x) = x^5 - x^3 + 3$	
6	$f(x) = 2x^7 - 3x^6 + 3x^3 - 4x^2 - 7$	
7	$f(x) = \frac{x-3}{2}$	
8	$f(x) = -\frac{x^3+x-1}{2}$	
9	$f(x) = -\frac{3}{2}x^3 + \frac{2}{5}x^2 - 4$	
10	$f(x) = \frac{3}{x^2}$	
11	$f(x) = -\frac{2}{x^3} + \frac{3}{x^2} - 4x$	
12	$f(x) = \frac{x^2-1}{(x+1)^2}$	
13	$f(x) = \frac{5x^4-3x^3}{x^5}$	
14	$f(x) = \sqrt{x^3}$	
15	$f(x) = \frac{1}{\sqrt{x^3}}$	
16	$f(x) = \sqrt{x^3} - \sqrt[3]{x^5}$	
17	$f(x) = -3\sqrt{x} - 2\sqrt[3]{x^2}$	
18	$f(x) = -\frac{2}{3}\sqrt{x^3} - \sqrt{15x} - \sqrt[3]{x^5}$	
19	$f(x) = -\frac{3}{2}\sqrt{x^3} - 2x^5 - 5x^2$	
20	$f(x) = \frac{\sqrt{x^3}\sqrt{x}}{\sqrt[2]{x}}$	

21	$f(x) = \frac{2\sqrt{x} + \sqrt[3]{x}}{\sqrt[2]{x}}$	
22	$f(x) = (x^5 - x^3 + 3)^4$	
23	$f(x) = (x^2 - 2)^2$	
24	$f(x) = (x - 1) \cdot (x + 1)^2$	
25	$f(x) = (x^5 - x^3 + 3)^4$	
26	$f(x) = \sqrt{((x^5 - x^3 + 3))}$	
27	$f(x) = \sqrt[5]{x^5 - x^3 + 3}$	
28	$f(x) = \frac{1}{\sqrt[5]{x^5 - x^3 + 3}}$	
29	$f(x) = \sqrt[3]{\frac{x^5 - x^3 + 3}{x^2}}$	
30	$f(x) = \sqrt[5]{\frac{x^2 + x}{x + 1}}$	
31	$f(x) = \sqrt{\frac{x^2 + 2x + 1}{x^2 - 1}}$	
32	$f(x) = \sqrt{\frac{x^2 - 1}{x^2 - 2x + 1}}$	
33	$f(x) = e^{x+1}$	
34	$f(x) = -3 \cdot e^{x+1}$	
35	$f(x) = 7 \cdot e^{x^2+1}$	
36	$f(x) = -3 \cdot e^{x^2+x-1}$	
37	$f(x) = \sqrt{e^x}$	
38	$f(x) = \sqrt{3e^{x+1}}$	

39	$f(x) = -\frac{2}{\sqrt{e^x}}$	
40	$f(x) = e^{x+1} - 3e^x + 2e^{x^3}$	
41	$f(x) = 3^{2x+1}$	
42	$f(x) = 7^{x-1}$	
43	$f(x) = 7^{x^2-1}$	
44	$f(x) = -\frac{1}{\sqrt{2^x}}$	
45	$f(x) = 2^{x+1} - 3 \cdot 5^x$	
46	$f(x) = (2^{x+1} - 3 \cdot 5^x)^3$	
47	$f(x) = \sqrt{3^{x+1}}$	
48	$f(x) = 7^{\sqrt{x+1}}$	
49	$f(x) = \frac{e^{3x} + e^{x^2}}{3}$	
50	$f(x) = \frac{7^{x^2}}{x^3}$	
51	$f(x) = \frac{e^{x^2}}{x^3}$	
52	$f(x) = \sqrt{\frac{7^{x^2}}{x^3}}$	
53	$f(x) = \ln(x + 3)$	
54	$f(x) = 7x + \ln(x - 3)$	
55	$f(x) = \ln(x^2 - 3x + 2)$	
56	$f(x) = \frac{1}{\ln(x-1)}$	
57	$f(x) = \ln \sqrt{\frac{x^2-1}{x^2-2x+1}}$	

58	$f(x)=\ln\left(\sqrt{(x^5-x^3+3)}\right)$	
59	$f(x)=\ln\left(\frac{e^x-1}{e^x+1}\right)$	
60	$f(x)=\log_3(x+2)$	
61	$f(x)=\log(x-3)^2$	
62	$f(x)=\operatorname{sen}(x+1)$	
63	$f(x)=\operatorname{sen}(2x^3+2x^2)^2$	
64	$f(x)=\operatorname{sen}(x+1)+5x$	
65	$f(x)=\sqrt{\operatorname{sen}(x+1)}$	
66	$f(x)=\cos(3x+3)$	
67	$f(x)=\cos(3x^2+3x)$	
68	$f(x)=\frac{1}{\operatorname{sen}(x+1)}$	
69	$f(x)=\frac{1}{\cos x}+\frac{1}{\operatorname{sen}(x+1)}$	
70	$f(x)=\frac{1}{\operatorname{sen} x}-\frac{1}{\cos(x-1)}$	
71	$f(x)=\sqrt[3]{\cos(3x+3)}$	
72	$f(x)=\frac{1}{\operatorname{sen}(x+1)}+(x^5-x^3+3)^4$	
73	$f(x)=\ln(x-1)+e^{x+1}$	
74	$f(x)=e^{x-3}+\cos(x+1)-x^2$	
75	$f(x)=\tan(x-5)$	
76	$f(x)=\tan(x^3+3)$	

77	$f(x) = -\tan(-5x^2 - 7)$	
78	$f(x) = \frac{1}{\tan(x-5)}$	
79	$f(x) = -\frac{3}{\tan(x+2)}$	
80	$f(x) = \sqrt{\tan(x-5)}$	
81	$f(x) = \arcsen(x^2 - 3)$	
82	$f(x) = 3x + \arcsen(3x^3 + 3x - 7)$	
83	$f(x) = \arcsen\sqrt{x^2 - 3}$	
84	$f(x) = \arcsen\left(\frac{x+1}{x-1}\right)$	
85	$f(x) = \sqrt[3]{\sen(x^2 + 3)}$	
86	$f(x) = \sqrt[3]{\tan e^x}$	
87	$f(x) = x^2 \cdot \tan \sqrt{x}$	
88	$f(x) = \frac{1 + \sen^2 x}{x}$	
89	$f(x) = \ln(\sen x)$	
90	$f(x) = \arctg(x^2 - 3)$	
91	$f(x) = e^{x^2} - 3 \ln(\sin x)$	
92	$f(x) = e^{x+3} + \ln(x-5) - \cot(x)$	
93	$f(x) = \arctg(\ln x)$	
94	$f(x) = \ln(\ln x)$	
95	$f(x) = \ln(\ln x) + \arctg(x^3 - 1)$	
96	$f(x) = \cot(x^3 - 1)$	

97	$f(x) = \sec x - e^x$	
98	$f(x) = \operatorname{cosec} x + \frac{x^3}{3}$	
99	$f(x) = \cot (x+1)$	
100	$f(x) = e^{x^2} - \cot (x^3 - 1)$	

Encuentra todas las derivadas resueltas a continuación: