

[illegible]

$$No0I = \left[\begin{array}{ll} .1 = (f(x) = (7x + 6)^{11}) & .2 = (f(x) = (2x^3 + 2x + 11)^4) \\ .3 = (f(x) = \sqrt{5x - 4}) & .4 = \left(f(x) = \frac{1}{2x^6 - 7} \right) \\ .5 = \left(f(x) = \frac{1}{(3x^2 + 4x - 4)^5} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3 - 5x}} \right) \\ .7 = (f(x) = (7x - 3)^3(2x + 7)) & .8 = \left(f(x) = \frac{(7x - 3)^3}{(2x + 7)^3} \right) \end{array} \right]$$

No2 : k = 4											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	8	-2	-7		1	-3	-6	5	0	
-5	5	6	-3	-6		2	-2	-8	4	1	
-4	6	4	-4	-5		3	-1	-10	3	2	
-3	7	2	-5	-4		4	0	-12	2	3	
-2	-6	0	-6	-3		5	1	-14	1	4	
-1	-5	-2	7	-2		6	2	-16	0	5	
0	-4	-4	6	-1		7	3	-18	-1	6	

No3 : k = 5										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-1	0	1	2	3	4	5	6	7	
g'(x)	18	16	14	12	10	8	6	4	2	

x	1	2	3	4	5	6	7	8	9
g(x)	8	9	-8	-7	-6	-5	-4	-3	-2
g'(x)	0	-2	-4	-6	-8	-10	-12	-14	-16

$$No04 = \left[x(t) = \frac{7t^2}{5+t^2}, P(x) = 6\sqrt{x-5}, k=4 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (2x + 5)^6) & .2 = (f(x) = (4x^3 - 7x + 7)^5) \\ .3 = (f(x) = \sqrt{7x - 6}) & .4 = \left(f(x) = \frac{1}{8x^4 - 7} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 - 3x - 3)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{5 - 7x}} \right) \\ .7 = (f(x) = (6x - 7)^3 (5x + 3)) & .8 = \left(f(x) = \frac{(6x - 7)^3}{(5x + 3)^3} \right) \end{array} \right]$$

No2 : k = 6											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	1	-6	1	10		1	-6	1	-6	-4	
-5	2	-5	0	8		2	-5	2	7	-6	
-4	3	-4	-1	6		3	-4	3	6	-8	
-3	4	-3	-2	4		4	-3	4	5	-10	
-2	5	-2	-3	2		5	-2	5	4	-12	
-1	6	-1	-4	0		6	-1	6	3	-14	
0	7	0	-5	-2		7	0	7	2	-16	

No3 : k = 6											
x	-8	-7	-6	-5	-4	-3	-2	-1	0		
g(x)	-4	-3	-2	-1	0	1	2	3	4		
g'(x)	-6	-5	-4	-3	-2	-1	0	1	2		

x	1	2	3	4	5	6	7	8	9
g(x)	5	6	7	8	9	-8	-7	-6	-5
g'(x)	3	4	5	6	7	8	9	10	11

$$No04 = \left[x(t) = \frac{6t^2}{3+t^2}, P(x) = 6\sqrt{x} - 5, k = 7 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (5x + 6)^7) & .2 = (f(x) = (2x^2 + 2x + 7)^6) \\ .3 = (f(x) = \sqrt{7 - 5x}) & .4 = \left(f(x) = \frac{1}{3x^6 + 4} \right) \\ .5 = \left(f(x) = \frac{1}{(3x^2 + 7x + 7)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{7x - 3}} \right) \\ .7 = (f(x) = (3x + 5)(-5 + 8x)^5) & .8 = \left(f(x) = \frac{(3x + 5)^5}{(-5 + 8x)^5} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-3	5	0	-12		1	4	-2	7	2	
-5	-4	4	1	-10		2	3	-3	-6	4	
-4	-5	3	2	-8		3	2	-4	-5	6	
-3	-6	2	3	-6		4	1	-5	-4	8	
-2	7	1	4	-4		5	0	-6	-3	10	
-1	6	0	5	-2		6	-1	-7	-2	12	
0	5	-1	6	0		7	-2	-8	-1	14	

No3 : k = 2										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-3	-2	-1	0	1	2	3	4	5	
g'(x)	7	6	5	4	3	2	1	0	-1	

x	1	2	3	4	5	6	7	8	9	
g(x)	6	7	8	9	-8	-7	-6	-5	-4	
g'(x)	-2	-3	-4	-5	-6	-7	-8	-9	-10	

$$No04 = \left[x(t) = \frac{8t^2}{2+t^2}, P(x) = 6\sqrt{x} - 13, k = 3 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (2x - 5)^{10}) & .2 = (f(x) = (3x^2 + 7x + 7)^6) \\ .3 = (f(x) = \sqrt{3x - 7}) & .4 = \left(f(x) = \frac{1}{3x^4 + 2} \right) \\ .5 = \left(f(x) = \frac{1}{(4x^3 - 5x - 5)^6} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{-3 + 5x}} \right) \\ .7 = (f(x) = (3x + 5)^4 (5x + 2)) & .8 = \left(f(x) = \frac{(3x + 5)^4}{(5x + 2)^4} \right) \end{array} \right]$$

No2 : k = 2											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	-6	0	8		1	-3	1	7	-6	
-5	3	-5	1	6		2	-4	2	-6	-8	
-4	2	-4	2	4		3	-5	3	-5	-10	
-3	1	-3	3	2		4	-6	4	-4	-12	
-2	0	-2	4	0		5	7	5	-3	-14	
-1	-1	-1	5	-2		6	6	6	-2	-16	
0	-2	0	6	-4		7	5	7	-1	-18	

No3 : k = 2										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-4	-3	-2	-1	0	1	2	3	4	
g'(x)	14	12	10	8	6	4	2	0	-2	

x	1	2	3	4	5	6	7	8	9
g(x)	5	6	7	8	9	-8	-7	-6	-5
g'(x)	-4	-6	-8	-10	-12	-14	-16	-18	-20

$$No04 = \left[x(t) = \frac{4t^2}{5+t^2}, P(x) = 8\sqrt{x} - 11, k = 8 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (5x - 4)^{10}) & .2 = (f(x) = (3x^3 + 7x + 7)^5) \\ .3 = (f(x) = \sqrt{3x - 2}) & .4 = \left(f(x) = \frac{1}{5x^7 - 8} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^2 + 2x + 7)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{8 - 5x}} \right) \\ .7 = (f(x) = (5x - 6)(4x - 7)^5) & .8 = \left(f(x) = \frac{(5x - 6)^5}{(4x - 7)^5} \right) \end{array} \right]$$

No2 : k = 2											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	1	-8	2	14		1	-6	-1	-5	0	
-5	2	-7	1	12		2	-5	0	-6	-2	
-4	3	-6	0	10		3	-4	1	7	-4	
-3	4	-5	-1	8		4	-3	2	6	-6	
-2	5	-4	-2	6		5	-2	3	5	-8	
-1	6	-3	-3	4		6	-1	4	4	-10	
0	7	-2	-4	2		7	0	5	3	-12	

No3 : k = 3										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-2	-1	0	1	2	3	4	5	6	
g'(x)	7	6	5	4	3	2	1	0	-1	

x	1	2	3	4	5	6	7	8	9
g(x)	7	8	9	-8	-7	-6	-5	-4	-3
g'(x)	-2	-3	-4	-5	-6	-7	-8	-9	-10

$$No04 = \left[x(t) = \frac{8t^2}{6+t^2}, P(x) = 8\sqrt{x} - 11, k = 2 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (7x - 3)^9) & .2 = (f(x) = (2x^2 + 2x + 9)^4) \\ .3 = (f(x) = \sqrt{3 - 5x}) & .4 = \left(f(x) = \frac{1}{5x^4 - 8} \right) \\ .5 = \left(f(x) = \frac{1}{(3x^3 - 5x + 5)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{7 - 8x}} \right) \\ .7 = (f(x) = (3x - 4)^5 (7x + 8)) & .8 = \left(f(x) = \frac{(3x - 4)^5}{(7x + 8)^5} \right) \end{array} \right]$$

No2 : k = 6											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	0	-8	0	8		1	7	-1	7	-6	
-5	-1	-7	1	6		2	6	0	-6	-8	
-4	-2	-6	2	4		3	5	1	-5	-10	
-3	-3	-5	3	2		4	4	2	-4	-12	
-2	-4	-4	4	0		5	3	3	-3	-14	
-1	-5	-3	5	-2		6	2	4	-2	-16	
0	-6	-2	6	-4		7	1	5	-1	-18	

No3 : k = 2										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-1	0	1	2	3	4	5	6	7	
g'(x)	-14	-12	-10	-8	-6	-4	-2	0	2	

x	1	2	3	4	5	6	7	8	9	
g(x)	8	9	-8	-7	-6	-5	-4	-3	-2	
g'(x)	4	6	8	10	12	14	16	18	20	

$$No04 = \left[x(t) = \frac{2t^2}{6+t^2}, P(x) = 2\sqrt{x} - 3, k = 6 \right]$$

[illegible]

$$No0I = \left[\begin{array}{ll} .1 = (f(x) = (3x - 7)^{10}) & .2 = (f(x) = (2x^2 - 3x - 3)^7) \\ .3 = (f(x) = \sqrt{-7 + 8x}) & .4 = \left(f(x) = \frac{1}{8x^3 + 7} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 3)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{-7 + 5x}} \right) \\ .7 = (f(x) = (-3 + 5x)(3x + 4)^4) & .8 = \left(f(x) = \frac{(-3 + 5x)^4}{(3x + 4)^4} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	-8	-1	4		1	-3	6	6	-3	
-5	3	-6	0	3		2	-4	8	7	-4	
-4	2	-4	1	2		3	-5	10	-6	-5	
-3	1	-2	2	1		4	-6	12	-5	-6	
-2	0	0	3	0		5	7	14	-4	-7	
-1	-1	2	4	-1		6	6	16	-3	-8	
0	-2	4	5	-2		7	5	18	-2	-9	

No3 : k = 8										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-3	-2	-1	0	1	2	3	4	5	
g'(x)	14	12	10	8	6	4	2	0	-2	

x	1	2	3	4	5	6	7	8	9
g(x)	6	7	8	9	-8	-7	-6	-5	-4
g'(x)	-4	-6	-8	-10	-12	-14	-16	-18	-20

$$No04 = \left[x(t) = \frac{7t^2}{6+t^2}, P(x) = 8\sqrt{x} - 11, k = 6 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (7x - 8)^6) & .2 = (f(x) = (2x^3 + 5x - 5)^4) \\ .3 = (f(x) = \sqrt{8 - 5x}) & .4 = \left(f(x) = \frac{1}{7x^5 - 8} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 5)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{5x - 6}} \right) \\ .7 = (f(x) = (8x + 5)(3x - 4)^4) & .8 = \left(f(x) = \frac{(8x + 5)^4}{(3x - 4)^4} \right) \end{array} \right]$$

No2 : k = 3									
x	f(x)	f'(x)	g(x)	g'(x)	x	f(x)	f'(x)	g(x)	g'(x)
-6	-2	-12	-2	8	1	5	2	5	1
-5	-1	-10	-3	7	2	6	4	4	0
-4	0	-8	-4	6	3	7	6	3	-1
-3	1	-6	-5	5	4	-6	8	2	-2
-2	2	-4	-6	4	5	-5	10	1	-3
-1	3	-2	7	3	6	-4	12	0	-4
0	4	0	6	2	7	-3	14	-1	-5

No3 : k = 2 =====										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-3	-2	-1	0	1	2	3	4	5	
g'(x)	10	8	6	4	2	0	-2	-4	-6	

	x		1		2		3		4		5		6		7		8		9	
	g(x)		6		7		8		9		-8		-7		-6		-5		-4	
	g'(x)		-8		-10		-12		-14		-16		-18		-20		-22		-24	

$$No04 = \left[x(t) = \frac{3t^2}{5+t^2}, P(x) = 6\sqrt{x} - 5, k = 8 \right]$$

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (7x - 5)^9) & .2 = (f(x) = (2x^2 + 2x + 9)^5) \\ .3 = (f(x) = \sqrt{3x - 5}) & .4 = \left(f(x) = \frac{1}{7x^3 + 4} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 3)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{5x - 4}} \right) \\ .7 = (f(x) = (3x + 8)^4(6x - 5)) & .8 = \left(f(x) = \frac{(3x + 8)^4}{(6x - 5)^4} \right) \end{array} \right]$$

No2 : k = 6 =====

x	f (x)	f ' (x)	g (x)	g ' (x)		x	f (x)	f ' (x)	g (x)	g ' (x)	
-6	3	-10	0	7		1	-4	4	7	0	
-5	2	-8	1	6		2	-5	6	-6	-1	
-4	1	-6	2	5		3	-6	8	-5	-2	
-3	0	-4	3	4		4	7	10	-4	-3	
-2	-1	-2	4	3		5	6	12	-3	-4	
-1	-2	0	5	2		6	5	14	-2	-5	
0	-3	2	6	1		7	4	16	-1	-6	

=====

No3 : k = 7 =====

x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g (x)	5	4	3	2	1	0	-1	-2	-3	
g ' (x)	-12	-10	-8	-6	-4	-2	0	2	4	

=====

x	1	2	3	4	5	6	7	8	9	
g (x)	-4	-5	-6	-7	-8	9	8	7	6	
g ' (x)	6	8	10	12	14	16	18	20	22	

=====

$$No04 = \left[x(t) = \frac{6t^2}{3+t^2}, P(x) = 4\sqrt{x} - 13, k = 4 \right]$$

$$No04 = \left[x(t) = \frac{6t^2}{3+t^2}, P(x) = 4\sqrt{x-13}, k=4 \right]$$

X Math@MUT XX
Diff03 for No.11989

M6/1-6400507-00016XX

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (-7 + 5x)^5) & .2 = (f(x) = (2x^4 + 2x + 5)^4) \\ .3 = (f(x) = \sqrt{4 - 5x}) & .4 = \left(f(x) = \frac{1}{7x^6 - 4} \right) \\ .5 = \left(f(x) = \frac{1}{(3x^4 + 8x - 8)^5} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{8 - 7x}} \right) \\ .7 = (f(x) = (7x - 3)^3(-5 + 8x)) & .8 = \left(f(x) = \frac{(7x - 3)^3}{(-5 + 8x)^3} \right) \end{array} \right]$$

No2 : k = 4											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-1	-5	3	14		1	6	2	-4	0	
-5	0	-4	2	12		2	7	3	-5	-2	
-4	1	-3	1	10		3	-6	4	-6	-4	
-3	2	-2	0	8		4	-5	5	7	-6	
-2	3	-1	-1	6		5	-4	6	6	-8	
-1	4	0	-2	4		6	-3	7	5	-10	
0	5	1	-3	2		7	-2	8	4	-12	

No3 : k = 7										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	2	1	0	-1	-2	-3	-4	-5	-6	
g'(x)	16	14	12	10	8	6	4	2	0	
x	1	2	3	4	5	6	7	8	9	
g(x)	-7	-8	9	8	7	6	5	4	3	
g'(x)	-2	-4	-6	-8	-10	-12	-14	-16	-18	

$$No04 = \left[x(t) = \frac{7t^2}{6+t^2}, P(x) = 2\sqrt{x} - 13, k = 8 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (4x + 7)^8) & .2 = (f(x) = (2x^3 - 7x + 7)^3) \\ .3 = (f(x) = \sqrt{7x - 3}) & .4 = \left(f(x) = \frac{1}{7x^7 - 4} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^2 + 2x + 7)^6} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{2x - 7}} \right) \\ .7 = (f(x) = (4x + 5)(3x + 2)^3) & .8 = \left(f(x) = \frac{(4x + 5)^3}{(3x + 2)^3} \right) \end{array} \right]$$

No2 : k = 2											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-3	-5	-3	8		1	4	2	4	-6	
-5	-4	-4	-2	6		2	3	3	5	-8	
-4	-5	-3	-1	4		3	2	4	6	-10	
-3	-6	-2	0	2		4	1	5	7	-12	
-2	7	-1	1	0		5	0	6	-6	-14	
-1	6	0	2	-2		6	-1	7	-5	-16	
0	5	1	3	-4		7	-2	8	-4	-18	

No3 : k = 4										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	3	2	1	0	-1	-2	-3	-4	-5	
g'(x)	-5	-4	-3	-2	-1	0	1	2	3	

x	1	2	3	4	5	6	7	8	9
g(x)	-6	-7	-8	9	8	7	6	5	4
g'(x)	4	5	6	7	8	9	10	11	12

$$No04 = \left[x(t) = \frac{4t^2}{5+t^2}, P(x) = 8\sqrt{x} - 7, k = 5 \right]$$

X Math@MUT XX M6/1-6400507-00018XX
Diff03 for No.12889

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (3x - 4)^{11}) & .2 = (f(x) = (2x^4 + 2x + 11)^4) \\ .3 = (f(x) = \sqrt{3 - 2x}) & .4 = \left(f(x) = \frac{1}{7x^7 - 8} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^2 + 2x + 7)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{8x - 3}} \right) \\ .7 = (f(x) = (2x - 7)(6x + 7)^3) & .8 = \left(f(x) = \frac{(2x - 7)^3}{(6x + 7)^3} \right) \end{array} \right]$$

No2 : k = 2									
x	f(x)	f'(x)	g(x)	g'(x)	x	f(x)	f'(x)	g(x)	g'(x)
-6	-2	16	0	-7	1	5	2	7	0
-5	-3	14	1	-6	2	4	0	-6	1
-4	-4	12	2	-5	3	3	-2	-5	2
-3	-5	10	3	-4	4	2	-4	-4	3
-2	-6	8	4	-3	5	1	-6	-3	4
-1	7	6	5	-2	6	0	-8	-2	5
0	6	4	6	-1	7	-1	-10	-1	6

No3 : k = 3 =====										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	1	2	3	4	5	6	7	8	9	
g'(x)	-18	-16	-14	-12	-10	-8	-6	-4	-2	

	x		1		2		3		4		5		6		7		8		9	
	g(x)		-8		-7		-6		-5		-4		-3		-2		-1		0	
	g'(x)		0		2		4		6		8		10		12		14		16	

$$No04 = \left[x(t) = \frac{8t^2}{6+t^2}, P(x) = 8\sqrt{x} - 9, k = 3 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (2x - 7)^8) & .2 = (f(x) = (2x^2 - 7x + 7)^3) \\ .3 = (f(x) = \sqrt{-7 + 5x}) & .4 = \left(f(x) = \frac{1}{4x^3 - 5}\right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 3)^5}\right) & .6 = \left(f(x) = \frac{1}{\sqrt{5 - 4x}}\right) \\ .7 = (f(x) = (4x + 7)(5x - 6)^3) & .8 = \left(f(x) = \frac{(4x + 7)^3}{(5x - 6)^3}\right) \end{array} \right]$$

No2 : k = 4 =====

x	f(x)	f'(x)	g(x)	g'(x)	x	f(x)	f'(x)	g(x)	g'(x)
-6	2	4	-2	-12	1	-5	-3	5	2
-5	3	3	-3	-10	2	-4	-4	4	4
-4	4	2	-4	-8	3	-3	-5	3	6
-3	5	1	-5	-6	4	-2	-6	2	8
-2	6	0	-6	-4	5	-1	-7	1	10
-1	7	-1	-7	-2	6	0	-8	0	12
0	-6	-2	-6	0	7	1	-9	-1	14

No3 : k = 7 =====

x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	2	1	0	-1	-2	-3	-4	-5	-6	
g'(x)	7	6	5	4	3	2	1	0	-1	

x	1	2	3	4	5	6	7	8	9
g(x)	-7	-8	9	8	7	6	5	4	3
g'(x)	-2	-3	-4	-5	-6	-7	-8	-9	-10

$$No04 = \left[x(t) = \frac{2t^2}{1+t^2}, P(x) = 4\sqrt{x} - 13, k = 5 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (7x + 3)^{10}) & .2 = (f(x) = (4x^2 + 7x + 7)^5) \\ .3 = (f(x) = \sqrt{6 - 7x}) & .4 = \left(f(x) = \frac{1}{3x^6 + 5} \right) \\ .5 = \left(f(x) = \frac{1}{(4x^2 + 3x - 3)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{6x - 7}} \right) \\ .7 = (f(x) = (-3 + 5x)^3 (3x - 8)) & .8 = \left(f(x) = \frac{(-3 + 5x)^3}{(3x - 8)^3} \right) \end{array} \right]$$

No2 : k = 6 =====

x	f(x)	f'(x)	g(x)	g'(x)	x	f(x)	f'(x)	g(x)	g'(x)
-6	1	8	-1	-8	1	-6	1	6	6
-5	0	7	0	-6	2	7	0	7	8
-4	-1	6	1	-4	3	6	-1	-6	10
-3	-2	5	2	-2	4	5	-2	-5	12
-2	-3	4	3	0	5	4	-3	-4	14
-1	-4	3	4	2	6	3	-4	-3	16
0	-5	2	5	4	7	2	-5	-2	18

No3 : k = 8 =====

x	-8	-7	-6	-5	-4	-3	-2	-1	0	1
g(x)	-1	-2	-3	-4	-5	-6	-7	-8	9	10
g'(x)	-5	-4	-3	-2	-1	0	1	2	3	4

x	1	2	3	4	5	6	7	8	9
g(x)	8	7	6	5	4	3	2	1	0
g'(x)	4	5	6	7	8	9	10	11	12

$$No04 = \left[x(t) = \frac{4t^2}{7+t^2}, P(x) = 2\sqrt{x} - 15, k = 6 \right]$$

[illegible]

$$No0I = \left[\begin{array}{ll} .1 = (f(x) = (3x - 5)^{11}) & .2 = (f(x) = (2x^2 + 2x + 11)^5) \\ .3 = (f(x) = \sqrt{4x - 7}) & .4 = \left(f(x) = \frac{1}{8x^7 - 5} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 + 2x + 7)^3} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3x - 8}} \right) \\ .7 = (f(x) = (2x + 3)^4 (3x + 5)) & .8 = \left(f(x) = \frac{(2x + 3)^4}{(3x + 5)^4} \right) \end{array} \right]$$

No2 : k = 6											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	8	4	-14		1	-3	1	-3	0	
-5	5	7	3	-12		2	-2	0	-4	2	
-4	6	6	2	-10		3	-1	-1	-5	4	
-3	7	5	1	-8		4	0	-2	-6	6	
-2	-6	4	0	-6		5	1	-3	7	8	
-1	-5	3	-1	-4		6	2	-4	6	10	
0	-4	2	-2	-2		7	3	-5	5	12	

No3 : k = 4										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	2	3	4	5	6	7	8	9	-8	
g'(x)	7	6	5	4	3	2	1	0	-1	

x	1	2	3	4	5	6	7	8	9
g(x)	-7	-6	-5	-4	-3	-2	-1	0	1
g'(x)	-2	-3	-4	-5	-6	-7	-8	-9	-10

$$No04 = \left[x(t) = \frac{4t^2}{3+t^2}, P(x) = 4\sqrt{x} - 11, k = 8 \right]$$

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$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (6x - 5)^{10}) & .2 = (f(x) = (3x^3 + 2x - 2)^4) \\ .3 = (f(x) = \sqrt{7 - 2x}) & .4 = \left(f(x) = \frac{1}{3x^7 - 5} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^2 + 2x + 7)^5} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{5x - 8}} \right) \\ .7 = (f(x) = (3x + 2)(-7 + 5x)^3) & .8 = \left(f(x) = \frac{(3x + 2)^3}{(-7 + 5x)^3} \right) \end{array} \right]$$

No2 : k = 4											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	3	-5	-3	10		1	-4	2	4	-4	
-5	4	-4	-4	8		2	-3	3	3	-6	
-4	5	-3	-5	6		3	-2	4	2	-8	
-3	6	-2	-6	4		4	-1	5	1	-10	
-2	7	-1	7	2		5	0	6	0	-12	
-1	-6	0	6	0		6	1	7	-1	-14	
0	-5	1	5	-2		7	2	8	-2	-16	

No3 : k = 7										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	5	4	3	2	1	0	-1	-2	-3	
g'(x)	-7	-6	-5	-4	-3	-2	-1	0	1	

x	1	2	3	4	5	6	7	8	9	
g(x)	-4	-5	-6	-7	-8	9	8	7	6	
g'(x)	2	3	4	5	6	7	8	9	10	

$$No04 = \left[x(t) = \frac{3t^2}{6+t^2}, P(x) = 6\sqrt{x} - 7, k = 4 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (7x - 8)^5) & .2 = (f(x) = (2x^3 + 2x + 5)^4) \\ .3 = (f(x) = \sqrt{5x - 8}) & .4 = \left(f(x) = \frac{1}{3x^3 + 2} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 3)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{7 - 2x}} \right) \\ .7 = (f(x) = (7x - 4)(3x + 4)^3) & .8 = \left(f(x) = \frac{(7x - 4)^3}{(3x + 4)^3} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	2	-7	1	12		1	-5	0	-6	-2	
-5	1	-6	2	10		2	-6	1	-5	-4	
-4	0	-5	3	8		3	7	2	-4	-6	
-3	-1	-4	4	6		4	6	3	-3	-8	
-2	-2	-3	5	4		5	5	4	-2	-10	
-1	-3	-2	6	2		6	4	5	-1	-12	
0	-4	-1	7	0		7	3	6	0	-14	

No3 : k = 3										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-2	-1	0	1	2	3	4	5	6	
g'(x)	16	14	12	10	8	6	4	2	0	

x	1	2	3	4	5	6	7	8	9
g(x)	7	8	9	-8	-7	-6	-5	-4	-3
g'(x)	-2	-4	-6	-8	-10	-12	-14	-16	-18

$$No04 = \left[x(t) = \frac{8t^2}{5+t^2}, P(x) = 8\sqrt{x-7}, k=4 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (2x - 7)^8) & .2 = (f(x) = (2x^4 - 3x - 3)^5) \\ .3 = (f(x) = \sqrt{6 - 7x}) & .4 = \left(f(x) = \frac{1}{8x^5 + 3} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 + 2x + 5)^3} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3x - 8}} \right) \\ .7 = (f(x) = (7x - 8)(3x + 4)^5) & .8 = \left(f(x) = \frac{(7x - 8)^5}{(3x + 4)^5} \right) \end{array} \right]$$

No2 : k = 2											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-1	-12	-3	6		1	6	2	4	-1	
-5	0	-10	-4	5		2	7	4	3	-2	
-4	1	-8	-5	4		3	-6	6	2	-3	
-3	2	-6	-6	3		4	-5	8	1	-4	
-2	3	-4	7	2		5	-4	10	0	-5	
-1	4	-2	6	1		6	-3	12	-1	-6	
0	5	0	5	0		7	-2	14	-2	-7	

No3 : k = 4 =====										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	6	5	4	3	2	1	0	-1	-2	
g'(x)	-12	-10	-8	-6	-4	-2	0	2	4	

	x		1		2		3		4		5		6		7		8		9	
	g(x)		-3		-4		-5		-6		-7		-8		9		8		7	
	g'(x)		6		8		10		12		14		16		18		20		22	

$$No04 = \left[x(t) = \frac{8t^2}{4+t^2}, P(x) = 4\sqrt{x} - 9, k = 8 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (3x - 7)^9) & .2 = (f(x) = (2x^3 + 2x + 9)^3) \\ .3 = (f(x) = \sqrt{5 - 2x}) & .4 = \left(f(x) = \frac{1}{2x^4 + 7} \right) \\ .5 = \left(f(x) = \frac{1}{(4x^4 - 5x - 5)^5} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3 - 4x}} \right) \\ .7 = (f(x) = (2x + 3)^5 (4x - 3)) & .8 = \left(f(x) = \frac{(2x + 3)^5}{(4x - 3)^5} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	-10	0	7		1	-3	4	7	0	
-5	3	-8	1	6		2	-4	6	-6	-1	
-4	2	-6	2	5		3	-5	8	-5	-2	
-3	1	-4	3	4		4	-6	10	-4	-3	
-2	0	-2	4	3		5	7	12	-3	-4	
-1	-1	0	5	2		6	6	14	-2	-5	
0	-2	2	6	1		7	5	16	-1	-6	

No3 : k = 6										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	4	3	2	1	0	-1	-2	-3	-4	
g'(x)	-18	-16	-14	-12	-10	-8	-6	-4	-2	

x	1	2	3	4	5	6	7	8	9
g(x)	-5	-6	-7	-8	9	8	7	6	5
g'(x)	0	2	4	6	8	10	12	14	16

$$No04 = \left[x(t) = \frac{8t^2}{2+t^2}, P(x) = 2\sqrt{x} - 13, k = 2 \right]$$

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Diff03 for No.646106
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$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (7x + 2)^{10}) & .2 = (f(x) = (2x^3 + 3x - 3)^3) \\ .3 = (f(x) = \sqrt{4 - 3x}) & .4 = \left(f(x) = \frac{1}{5x^6 + 3}\right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 5x - 5)^4}\right) & .6 = \left(f(x) = \frac{1}{\sqrt{3 - 2x}}\right) \\ .7 = (f(x) = (3x - 4)^4(4x - 7)) & .8 = \left(f(x) = \frac{(3x - 4)^4}{(4x - 7)^4}\right) \end{array} \right]$$

No2 : k = 4											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-1	-12	1	6		1	6	2	-6	-1	
-5	0	-10	0	5		2	7	4	7	-2	
-4	1	-8	-1	4		3	-6	6	6	-3	
-3	2	-6	-2	3		4	-5	8	5	-4	
-2	3	-4	-3	2		5	-4	10	4	-5	
-1	4	-2	-4	1		6	-3	12	3	-6	
0	5	0	-5	0		7	-2	14	2	-7	

No3 : k = 4										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-2	-1	0	1	2	3	4	5	6	
g'(x)	-7	-6	-5	-4	-3	-2	-1	0	1	

x	1	2	3	4	5	6	7	8	9
g(x)	7	8	9	-8	-7	-6	-5	-4	-3
g'(x)	2	3	4	5	6	7	8	9	10

$$No04 = \left[x(t) = \frac{7t^2}{4+t^2}, P(x) = 6\sqrt{x} - 13, k = 2 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (5x - 8)^{11}) & .2 = (f(x) = (2x^4 + 2x + 11)^5) \\ .3 = (f(x) = \sqrt{7x - 5}) & .4 = \left(f(x) = \frac{1}{2x^5 - 7} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 + 2x + 5)^5} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{6 - 5x}} \right) \\ .7 = (f(x) = (7x + 8)^3 (2x + 3)) & .8 = \left(f(x) = \frac{(7x + 8)^3}{(2x + 3)^3} \right) \end{array} \right]$$

No2 : k = 2									
x	f(x)	f'(x)	g(x)	g'(x)	x	f(x)	f'(x)	g(x)	g'(x)
-6	-3	-8	1	4	1	4	6	-6	-3
-5	-4	-6	2	3	2	3	8	-5	-4
-4	-5	-4	3	2	3	2	10	-4	-5
-3	-6	-2	4	1	4	1	12	-3	-6
-2	7	0	5	0	5	0	14	-2	-7
-1	6	2	6	-1	6	-1	16	-1	-8
0	5	4	7	-2	7	-2	18	0	-9

No3 : k = 5										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	0	1	2	3	4	5	6	7	8	
g'(x)	6	5	4	3	2	1	0	-1	-2	

	x		1		2		3		4		5		6		7		8		9	
	g(x)		9		-8		-7		-6		-5		-4		-3		-2		-1	
	g'(x)		-3		-4		-5		-6		-7		-8		-9		-10		-11	

$$No04 = \left[x(t) = \frac{3t^2}{6+t^2}, P(x) = 2\sqrt{x-11}, k=4 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (5x - 2)^7) & .2 = (f(x) = (2x^2 + 2x + 7)^6) \\ .3 = (f(x) = \sqrt{4 - 5x}) & .4 = \left(f(x) = \frac{1}{5x^6 - 4} \right) \\ .5 = \left(f(x) = \frac{1}{(3x^2 - 4x - 4)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{6x - 7}} \right) \\ .7 = (f(x) = (4x - 5)(3x - 2)^3) & .8 = \left(f(x) = \frac{(4x - 5)^3}{(3x - 2)^3} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	1	-10	-2	8		1	-6	4	5	1	
-5	2	-8	-3	7		2	-5	6	4	0	
-4	3	-6	-4	6		3	-4	8	3	-1	
-3	4	-4	-5	5		4	-3	10	2	-2	
-2	5	-2	-6	4		5	-2	12	1	-3	
-1	6	0	-7	3		6	-1	14	0	-4	
0	7	2	-6	2		7	0	16	-1	-5	

No3 : k = 7										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	1	2	3	4	5	6	7	8	9	
g'(x)	16	14	12	10	8	6	4	2	0	

x	1	2	3	4	5	6	7	8	9
g(x)	-8	-7	-6	-5	-4	-3	-2	-1	0
g'(x)	-2	-4	-6	-8	-10	-12	-14	-16	-18

$$No04 = \left[x(t) = \frac{2t^2}{6+t^2}, P(x) = 2\sqrt{x} - 5, k = 8 \right]$$

$$\text{No01} = \left[\begin{array}{ll} .1 = (f(x) = (5x + 8)^6) & .2 = (f(x) = (3x^3 - 2x - 2)^3) \\ .3 = (f(x) = \sqrt{3 - 8x}) & .4 = \left(f(x) = \frac{1}{6x^6 - 5} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^2 - 7x + 7)^5} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{5 - 7x}} \right) \\ .7 = (f(x) = (5x + 7)(3x - 4)^4) & .8 = \left(f(x) = \frac{(5x + 7)^4}{(3x - 4)^4} \right) \end{array} \right]$$

No2 : k = 5

x	f(x)	f'(x)	g(x)	g'(x)
-6	-1	14	1	-5
-5	0	12	0	-4
-4	1	10	-1	-3
-3	2	8	-2	-2
-2	3	6	-3	-1
-1	4	4	-4	0
0	5	2	-5	1

x	f(x)	f'(x)	g(x)	g'(x)
1	6	0	-6	2
2	7	-2	7	3
3	-6	-4	6	4
4	-5	-6	5	5
5	-4	-8	4	6
6	-3	-10	3	7
7	-2	-12	2	8

No3 : k = 5

x	-8	-7	-6	-5	-4	-3	-2	-1	0
g(x)	0	-1	-2	-3	-4	-5	-6	-7	-8
g'(x)	-10	-8	-6	-4	-2	0	2	4	6

x	1	2	3	4	5	6	7	8	9
g(x)	9	8	7	6	5	4	3	2	1
g'(x)	8	10	12	14	16	18	20	22	24

$$\text{No04} = \left[x(t) = \frac{4t^2}{5+t^2}, P(x) = 8\sqrt{x-9}, k=3 \right]$$

$$No04 = \left[x(t) = \frac{4t^2}{5+t^2}, P(x) = 8\sqrt{x} - 9, k = 3 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (-3 + 5x)^{11}) & .2 = (f(x) = (2x^3 + 2x + 11)^3) \\ .3 = (f(x) = \sqrt{3 - 8x}) & .4 = \left(f(x) = \frac{1}{7x^6 + 5} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 - 3x - 3)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{7x - 8}} \right) \\ .7 = (f(x) = (4x - 3)^4 (7x + 5)) & .8 = \left(f(x) = \frac{(4x - 3)^4}{(7x + 5)^4} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	1	5	3	-14		1	-6	-2	-4	0	
-5	2	4	2	-12		2	-5	-3	-5	2	
-4	3	3	1	-10		3	-4	-4	-6	4	
-3	4	2	0	-8		4	-3	-5	7	6	
-2	5	1	-1	-6		5	-2	-6	6	8	
-1	6	0	-2	-4		6	-1	-7	5	10	
0	7	-1	-3	-2		7	0	-8	4	12	

No3 : k = 5 =====										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-5	-4	-3	-2	-1	0	1	2	3	
g'(x)	9	8	7	6	5	4	3	2	1	

x	1	2	3	4	5	6	7	8	9
$g(x)$	4	5	6	7	8	9	-8	-7	-6
$g'(x)$	0	-1	-2	-3	-4	-5	-6	-7	-8

$$No04 = \left[x(t) = \frac{2t^2}{6+t^2}, P(x) = 4\sqrt{x} - 3, k = 4 \right]$$

[illegible]

$$No0I = \left[\begin{array}{ll} .1 = (f(x) = (5x + 7)^8) & .2 = (f(x) = (3x^4 - 4x + 4)^7) \\ .3 = (f(x) = \sqrt{5x - 8}) & .4 = \left(f(x) = \frac{1}{3x^7 - 8} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 + 2x + 7)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3x - 8}} \right) \\ .7 = (f(x) = (2x - 5)(3x + 2)^3) & .8 = \left(f(x) = \frac{(2x - 5)^3}{(3x + 2)^3} \right) \end{array} \right]$$

No2 : k = 3											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	8	-2	-14		1	-3	1	5	0	
-5	3	7	-1	-12		2	-4	0	6	2	
-4	2	6	0	-10		3	-5	-1	7	4	
-3	1	5	1	-8		4	-6	-2	-6	6	
-2	0	4	2	-6		5	7	-3	-5	8	
-1	-1	3	3	-4		6	6	-4	-4	10	
0	-2	2	4	-2		7	5	-5	-3	12	

No3 : k = 4										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	2	1	0	-1	-2	-3	-4	-5	-6	
g'(x)	-9	-8	-7	-6	-5	-4	-3	-2	-1	

x	1	2	3	4	5	6	7	8	9
$g(x)$	-7	-8	9	8	7	6	5	4	3
$g'(x)$	0	1	2	3	4	5	6	7	8

$$No04 = \left[x(t) = \frac{8t^2}{4+t^2}, P(x) = 8\sqrt{x} - 15, k = 4 \right]$$

[illegible]

$$No0I = \left[\begin{array}{ll} .1 = (f(x) = (2x - 5)^7) & .2 = (f(x) = (2x^3 + 2x + 7)^3) \\ .3 = (f(x) = \sqrt{6x - 5}) & .4 = \left(f(x) = \frac{1}{3x^7 + 5} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 + 2x + 7)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{7x - 3}} \right) \\ .7 = (f(x) = (2x - 7)(4x + 3)^5) & .8 = \left(f(x) = \frac{(2x - 7)^5}{(4x + 3)^5} \right) \end{array} \right]$$

No2 : k = 5 =====

x	f(x)	f'(x)	g(x)	g'(x)	x	f(x)	f'(x)	g(x)	g'(x)
-6	-2	-7	-2	14	1	5	0	5	0
-5	-1	-6	-3	12	2	6	1	4	-2
-4	0	-5	-4	10	3	7	2	3	-4
-3	1	-4	-5	8	4	-6	3	2	-6
-2	2	-3	-6	6	5	-5	4	1	-8
-1	3	-2	7	4	6	-4	5	0	-10
0	4	-1	6	2	7	-3	6	-1	-12

No3 : k = 3 =====

x	-8	-7	-6	-5	-4	-3	-2	-1	0	1
g(x)	3	2	1	0	-1	-2	-3	-4	-5	-6
g'(x)	-6	-5	-4	-3	-2	-1	0	1	2	3

x	1	2	3	4	5	6	7	8	9
g(x)	-6	-7	-8	9	8	7	6	5	4
g'(x)	3	4	5	6	7	8	9	10	11

$$No04 = \left[x(t) = \frac{4t^2}{2+t^2}, P(x) = 6\sqrt{x} - 7, k = 4 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (8x + 3)^7) & .2 = (f(x) = (2x^3 + 2x + 7)^6) \\ .3 = (f(x) = \sqrt{5x - 6}) & .4 = \left(f(x) = \frac{1}{7x^5 - 2} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 + 2x + 5)^6} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{8 - 7x}} \right) \\ .7 = (f(x) = (3x - 8)(7x + 3)^4) & .8 = \left(f(x) = \frac{(3x - 8)^4}{(7x + 3)^4} \right) \end{array} \right]$$

No2 : k = 6											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	3	7	2	-8		1	-4	0	-5	6	
-5	2	6	3	-6		2	-5	-1	-4	8	
-4	1	5	4	-4		3	-6	-2	-3	10	
-3	0	4	5	-2		4	7	-3	-2	12	
-2	-1	3	6	0		5	6	-4	-1	14	
-1	-2	2	7	2		6	5	-5	0	16	
0	-3	1	-6	4		7	4	-6	1	18	

No3 : k = 2										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-1	0	1	2	3	4	5	6	7	
g'(x)	-9	-8	-7	-6	-5	-4	-3	-2	-1	

x	1	2	3	4	5	6	7	8	9
g(x)	8	9	-8	-7	-6	-5	-4	-3	-2
g'(x)	0	1	2	3	4	5	6	7	8

$$No04 = \left[x(t) = \frac{4t^2}{6+t^2}, P(x) = 8\sqrt{x} - 13, k = 5 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (7x + 6)^8) & .2 = (f(x) = (2x^4 - 7x - 7)^4) \\ .3 = (f(x) = \sqrt{3 - 8x}) & .4 = \left(f(x) = \frac{1}{3x^6 + 5} \right) \\ .5 = \left(f(x) = \frac{1}{(4x^4 - 7x - 7)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{6 - 7x}} \right) \\ .7 = (f(x) = (-7 + 5x)^5 (8x + 5)) & .8 = \left(f(x) = \frac{(-7 + 5x)^5}{(8x + 5)^5} \right) \end{array} \right]$$

No2 : k = 6											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	1	8	1	-10		1	-6	1	-6	4	
-5	0	7	2	-8		2	7	0	-5	6	
-4	-1	6	3	-6		3	6	-1	-4	8	
-3	-2	5	4	-4		4	5	-2	-3	10	
-2	-3	4	5	-2		5	4	-3	-2	12	
-1	-4	3	6	0		6	3	-4	-1	14	
0	-5	2	7	2		7	2	-5	0	16	

No3 : k = 7										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	1	0	-1	-2	-3	-4	-5	-6	-7	
g'(x)	-7	-6	-5	-4	-3	-2	-1	0	1	

x	1	2	3	4	5	6	7	8	9	
g(x)	-8	9	8	7	6	5	4	3	2	
g'(x)	2	3	4	5	6	7	8	9	10	

$$No04 = \left[x(t) = \frac{6t^2}{4+t^2}, P(x) = 4\sqrt{x} - 13, k = 8 \right]$$

X Math@MUT XX
Diff03 for No.646119

M6/1-6400507-00043XX

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (-7 + 5x)^6) & .2 = (f(x) = (4x^4 + 7x - 7)^3) \\ .3 = (f(x) = \sqrt{2x - 5}) & .4 = \left(f(x) = \frac{1}{3x^6 + 8} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 - 5x + 5)^5} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3 - 4x}} \right) \\ .7 = (f(x) = (8x - 3)^4(-7 + 5x)) & .8 = \left(f(x) = \frac{(8x - 3)^4}{(-7 + 5x)^4} \right) \end{array} \right]$$

No2 : k = 3											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	3	-7	2	14		1	-4	0	-5	0	
-5	4	-6	1	12		2	-3	1	-6	-2	
-4	5	-5	0	10		3	-2	2	7	-4	
-3	6	-4	-1	8		4	-1	3	6	-6	
-2	7	-3	-2	6		5	0	4	5	-8	
-1	-6	-2	-3	4		6	1	5	4	-10	
0	-5	-1	-4	2		7	2	6	3	-12	

No3 : k = 2										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	0	-1	-2	-3	-4	-5	-6	-7	-8	
g'(x)	-8	-7	-6	-5	-4	-3	-2	-1	0	

x	1	2	3	4	5	6	7	8	9	
g(x)	9	8	7	6	5	4	3	2	1	
g'(x)	1	2	3	4	5	6	7	8	9	

$$No04 = \left[x(t) = \frac{8t^2}{3+t^2}, P(x) = 6\sqrt{x} - 11, k = 7 \right]$$

X Math@MUT XX M6/1-6400507-00044XX
Diff03 for No.646120

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (7x + 5)^9) & .2 = (f(x) = (2x^2 + 2x + 9)^7) \\ .3 = (f(x) = \sqrt{3 - 8x}) & .4 = \left(f(x) = \frac{1}{7x^4 + 2} \right) \\ .5 = \left(f(x) = \frac{1}{(3x^4 + 8x - 8)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3x - 4}} \right) \\ .7 = (f(x) = (3x + 8)(6x - 5)^3) & .8 = \left(f(x) = \frac{(3x + 8)^3}{(6x - 5)^3} \right) \end{array} \right]$$

No2 : k = 2											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-1	-8	-2	4		1	6	6	5	-3	
-5	0	-6	-3	3		2	7	8	4	-4	
-4	1	-4	-4	2		3	-6	10	3	-5	
-3	2	-2	-5	1		4	-5	12	2	-6	
-2	3	0	-6	0		5	-4	14	1	-7	
-1	4	2	7	-1		6	-3	16	0	-8	
0	5	4	6	-2		7	-2	18	-1	-9	

No3 : k = 4										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	0	1	2	3	4	5	6	7	8	
g'(x)	-18	-16	-14	-12	-10	-8	-6	-4	-2	
x	1	2	3	4	5	6	7	8	9	
g(x)	9	-8	-7	-6	-5	-4	-3	-2	-1	
g'(x)	0	2	4	6	8	10	12	14	16	

$$No04 = \left[x(t) = \frac{3t^2}{5+t^2}, P(x) = 8\sqrt{x-9}, k=2 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (3x - 7)^{11}) & .2 = (f(x) = (2x^3 + 2x + 11)^7) \\ .3 = (f(x) = \sqrt{7x - 3}) & .4 = \left(f(x) = \frac{1}{5x^3 + 8} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 3)^7} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{7 - 4x}} \right) \\ .7 = (f(x) = (4x + 5)^3 (5x + 8)) & .8 = \left(f(x) = \frac{(4x + 5)^3}{(5x + 8)^3} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	-14	-1	8		1	-3	0	6	1	
-5	3	-12	0	7		2	-4	2	7	0	
-4	2	-10	1	6		3	-5	4	-6	-1	
-3	1	-8	2	5		4	-6	6	-5	-2	
-2	0	-6	3	4		5	7	8	-4	-3	
-1	-1	-4	4	3		6	6	10	-3	-4	
0	-2	-2	5	2		7	5	12	-2	-5	

No3 : k = 8										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	6	5	4	3	2	1	0	-1	-2	
g'(x)	8	7	6	5	4	3	2	1	0	

x	1	2	3	4	5	6	7	8	9
g(x)	-3	-4	-5	-6	-7	-8	9	8	7
g'(x)	-1	-2	-3	-4	-5	-6	-7	-8	-9

$$No04 = \left[x(t) = \frac{2t^2}{1+t^2}, P(x) = 8\sqrt{x} - 9, k = 8 \right]$$

X Math@MUT XX M6/1-6400507-00048XX
Diff03 for No.646124

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (6x + 7)^{10}) & .2 = (f(x) = (3x^4 + 8x - 8)^7) \\ .3 = (f(x) = \sqrt{7x - 3}) & .4 = \left(f(x) = \frac{1}{3x^3 + 4}\right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 3)^6}\right) & .6 = \left(f(x) = \frac{1}{\sqrt{3 - 8x}}\right) \\ .7 = (f(x) = (3x - 8)(7x - 3)^4) & .8 = \left(f(x) = \frac{(3x - 8)^4}{(7x - 3)^4}\right) \end{array} \right]$$

No2 : k = 5 =====

x	f(x)	f'(x)	g(x)	g'(x)	x	f(x)	f'(x)	g(x)	g'(x)
-6	0	14	2	-5	1	7	0	-5	2
-5	-1	12	3	-4	2	6	-2	-4	3
-4	-2	10	4	-3	3	5	-4	-3	4
-3	-3	8	5	-2	4	4	-6	-2	5
-2	-4	6	6	-1	5	3	-8	-1	6
-1	-5	4	7	0	6	2	-10	0	7
0	-6	2	-6	1	7	1	-12	1	8

No3 : k = 2 =====

x	-8	-7	-6	-5	-4	-3	-2	-1	0
g(x)	6	5	4	3	2	1	0	-1	-2
g'(x)	16	14	12	10	8	6	4	2	0

x	1	2	3	4	5	6	7	8	9
g(x)	-3	-4	-5	-6	-7	-8	9	8	7
g'(x)	-2	-4	-6	-8	-10	-12	-14	-16	-18

$$No04 = \left[x(t) = \frac{2t^2}{6+t^2}, P(x) = 4\sqrt{x} - 7, k = 5 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (2x - 5)^8) & .2 = (f(x) = (3x^2 - 4x + 4)^6) \\ .3 = (f(x) = \sqrt{7x - 2}) & .4 = \left(f(x) = \frac{1}{6x^5 + 5} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^4 + 2x + 5)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{3x - 4}} \right) \\ .7 = (f(x) = (7x + 4)^4(-5 + 8x)) & .8 = \left(f(x) = \frac{(7x + 4)^4}{(-5 + 8x)^4} \right) \end{array} \right]$$

No2 : k = 2											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-2	-16	2	5		1	5	-2	-5	-2	
-5	-1	-14	1	4		2	6	0	-6	-3	
-4	0	-12	0	3		3	7	2	7	-4	
-3	1	-10	-1	2		4	-6	4	6	-5	
-2	2	-8	-2	1		5	-5	6	5	-6	
-1	3	-6	-3	0		6	-4	8	4	-7	
0	4	-4	-4	-1		7	-3	10	3	-8	

No3 : k = 8										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	1	0	-1	-2	-3	-4	-5	-6	-7	
g'(x)	-10	-8	-6	-4	-2	0	2	4	6	

	x		1		2		3		4		5		6		7		8		9	
	g(x)		-8		9		8		7		6		5		4		3		2	
	g'(x)		8		10		12		14		16		18		20		22		24	

$$No04 = \left[x(t) = \frac{7t^2}{2+t^2}, P(x) = 8\sqrt{x} - 3, k = 4 \right]$$

[illegible]

$$No01 = \left[\begin{array}{ll} .1 = (f(x) = (7x + 8)^5) & .2 = (f(x) = (2x^4 + 2x + 5)^4) \\ .3 = (f(x) = \sqrt{2 - 5x}) & .4 = \left(f(x) = \frac{1}{3x^5 - 2} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 5)^6} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{4x - 7}} \right) \\ .7 = (f(x) = (5x + 8)^3(4x + 5)) & .8 = \left(f(x) = \frac{(5x + 8)^3}{(4x + 5)^3} \right) \end{array} \right]$$

No2 : k = 5											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	-3	-8	-2	4		1	4	6	5	-3	
-5	-4	-6	-1	3		2	3	8	6	-4	
-4	-5	-4	0	2		3	2	10	7	-5	
-3	-6	-2	1	1		4	1	12	-6	-6	
-2	7	0	2	0		5	0	14	-5	-7	
-1	6	2	3	-1		6	-1	16	-4	-8	
0	5	4	4	-2		7	-2	18	-3	-9	

No3 : k = 4										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	4	3	2	1	0	-1	-2	-3	-4	
g'(x)	8	7	6	5	4	3	2	1	0	

x	1	2	3	4	5	6	7	8	9
g(x)	-5	-6	-7	-8	9	8	7	6	5
g'(x)	-1	-2	-3	-4	-5	-6	-7	-8	-9

$$No04 = \left[x(t) = \frac{6t^2}{5+t^2}, P(x) = 8\sqrt{x} - 11, k = 4 \right]$$

[illegible]

$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (5x + 7)^7) & .2 = (f(x) = (2x^3 + 2x + 7)^7) \\ .3 = (f(x) = \sqrt{4 - 5x}) & .4 = \left(f(x) = \frac{1}{4x^3 - 7} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^3 + 2x + 3)^4} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{2 - 3x}} \right) \\ .7 = (f(x) = (7x + 4)(-5 + 8x)^5) & .8 = \left(f(x) = \frac{(7x + 4)^5}{(-5 + 8x)^5} \right) \end{array} \right]$$

No2 : k = 4											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	4	4	4	-16		1	-3	-3	-3	-2	
-5	3	3	5	-14		2	-4	-4	-2	0	
-4	2	2	6	-12		3	-5	-5	-1	2	
-3	1	1	7	-10		4	-6	-6	0	4	
-2	0	0	-6	-8		5	7	-7	1	6	
-1	-1	-1	-5	-6		6	6	-8	2	8	
0	-2	-2	-4	-4		7	5	-9	3	10	

No3 : k = 3										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	2	3	4	5	6	7	8	9	-8	
g'(x)	14	12	10	8	6	4	2	0	-2	

x	1	2	3	4	5	6	7	8	9	
g(x)	-7	-6	-5	-4	-3	-2	-1	0	1	
g'(x)	-4	-6	-8	-10	-12	-14	-16	-18	-20	

$$No04 = \left[x(t) = \frac{7t^2}{2+t^2}, P(x) = 2\sqrt{x-13}, k=5 \right]$$

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$$NoOI = \left[\begin{array}{ll} .1 = (f(x) = (7x - 4)^{11}) & .2 = (f(x) = (2x^4 + 2x + 11)^4) \\ .3 = (f(x) = \sqrt{-5 + 8x}) & .4 = \left(f(x) = \frac{1}{5x^7 - 4} \right) \\ .5 = \left(f(x) = \frac{1}{(2x^2 + 2x + 7)^3} \right) & .6 = \left(f(x) = \frac{1}{\sqrt{2 - 7x}} \right) \\ .7 = (f(x) = (7x + 4)^4 (6x - 5)) & .8 = \left(f(x) = \frac{(7x + 4)^4}{(6x - 5)^4} \right) \end{array} \right]$$

No2 : k = 3											
x	f(x)	f'(x)	g(x)	g'(x)		x	f(x)	f'(x)	g(x)	g'(x)	
-6	1	-6	1	12		1	-6	1	-6	-2	
-5	0	-5	2	10		2	7	2	-5	-4	
-4	-1	-4	3	8		3	6	3	-4	-6	
-3	-2	-3	4	6		4	5	4	-3	-8	
-2	-3	-2	5	4		5	4	5	-2	-10	
-1	-4	-1	6	2		6	3	6	-1	-12	
0	-5	0	7	0		7	2	7	0	-14	

No3 : k = 3										
x	-8	-7	-6	-5	-4	-3	-2	-1	0	
g(x)	-1	-2	-3	-4	-5	-6	-7	-8	9	
g'(x)	12	10	8	6	4	2	0	-2	-4	

x	1	2	3	4	5	6	7	8	9
$g(x)$	8	7	6	5	4	3	2	1	0
$g'(x)$	-6	-8	-10	-12	-14	-16	-18	-20	-22

$$No04 = \left[x(t) = \frac{7t^2}{2+t^2}, P(x) = 4\sqrt{x} - 11, k = 5 \right]$$

[illegible]