Diff03 for No. 9395

$$
N o 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(3 x-2)^{9}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{3}+2 x+9\right)^{5}\right) \\
.3=(\mathrm{f}(x)=\sqrt{2 x-7}) & .4=\left(\mathrm{f}(x)=\frac{1}{2 x^{4}-5}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(4 x^{3}-3 x-3\right)^{5}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{7-8 x}}\right) \\
.7=\left(\mathrm{f}(x)=(5 x+3)^{4}(2 x-3)\right) & .8=\left(\mathrm{f}(x)=\frac{(5 x+3)^{4}}{(2 x-3)^{4}}\right)
\end{array}\right]
$$




No3 : $k=7$


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

 Diff03 for No. 9419
$N O 01=\left[\begin{array}{cc}.1=\left(\mathrm{f}(x)=(7 x-5)^{6}\right) \\ .3=(\mathrm{f}(x)=\sqrt{5-3 x}) & .2=\left(\mathrm{f}(x)=\left(3 x^{4}-5 x+5\right)^{5}\right) \\ .5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{3}+2 x+7\right)^{3}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{2-7 x}}\right) \\ .7=\left(\mathrm{f}(x)=(6 x+5)(2 x-7)^{4}\right) & .8=\left(\mathrm{f}(x)=\frac{(6 x+5)^{4}}{(2 x-7)^{4}}\right)\end{array}\right]$



No3 : k = 5

| x | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| $g^{\prime}(x)$ | 16 | 14 | 12 | 10 | 8 | 6 | 4 | 2 | 0 |
| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| $g(x)$ | 8 | 9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 |
| $g^{\prime}(x)$ | -2 | -4 | -6 | -8 | -10 | -12 | -14 | -16 | -18 |

$$
N o 04=\left[\mathrm{x}(t)=\frac{7 t^{2}}{4+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-15, k=2\right]
$$

x [Page = 0002] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 9428

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




No3 : $k=7$


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

X [Page = 0003] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 9459
$N O 1=\left[\begin{array}{cc}.1=\left(\mathrm{f}(x)=(8 x+3)^{5}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{4}+2 x+5\right)^{7}\right) \\ .3=(\mathrm{f}(x)=\sqrt{8-3 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{4 x^{7}-5}\right) \\ .5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{2}+2 x+7\right)^{6}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{4-3 x}}\right) \\ .7=\left(\mathrm{f}(x)=(8 x-5)^{5}(5 x-7)\right) & .8=\left(\mathrm{f}(x)=\frac{(8 x-5)^{5}}{(5 x-7)^{5}}\right)\end{array}\right]$



No3 : k = 3

$\left|g^{\prime}(x)\right| 14$ | 12 | 10 | 8 | 6 | 4 | 2 | 0 | -2 |

| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -4 | -5 | -6 | -7 | -8 | 9 | 8 | 7 | 6 |
| $g^{\prime}(x)$ | -4 | -6 | -8 | -10 | -12 | -14 | -16 | -18 | -20 |

$$
N o 04=\left[\mathrm{x}(t)=\frac{2 t^{2}}{4+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-13, k=8\right]
$$

X [Page = 0004] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 9476

 Diff03 for No. 9491

 Diff03 for No. 9633

x [Page = 0007] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx Diff03 for No. 9711

$$
N o 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(2 x+7)^{10}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{4}-5 x+5\right)^{4}\right) \\
.3=(\mathrm{f}(x)=\sqrt{6-7 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{5 x^{4}-8}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(4 x^{2}-7 x+7\right)^{6}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{8 x-3}}\right) \\
.7=\left(\mathrm{f}(x)=(8 x-3)^{4}(5 x-8)\right) & .8=\left(\mathrm{f}(x)=\frac{(8 x-3)^{4}}{(5 x-8)^{4}}\right)
\end{array}\right]
$$




No3 : $k=5$


$$
\text { No04 }=\left[\mathrm{x}(t)=\frac{2 t^{2}}{1+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-3, k=4\right]
$$

X [Page = 0008] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 9784

$$
N O 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(4 x-5)^{11}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{2}+2 x+11\right)^{7}\right) \\
.3=(\mathrm{f}(x)=\sqrt{5 x-2}) & .4=\left(\mathrm{f}(x)=\frac{1}{3 x^{3}-5}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{3}+2 x+3\right)^{7}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{2 x-7}}\right) \\
.7=\left(\mathrm{f}(x)=(7 x+2)^{4}(2 x+3)\right) & .8=\left(\mathrm{f}(x)=\frac{(7 x+2)^{4}}{(2 x+3)^{4}}\right)
\end{array}\right]
$$




No3 : $k=4$


| $g(x)$ | -2 | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

$\left|g^{\prime}(x)\right| 16$ | 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 |
| $g^{\prime}(x)$ | -2 | -4 | -6 | -8 | -10 | -12 | -14 | -16 | -18 |

$$
N o 04=\left[\mathrm{x}(t)=\frac{3 t^{2}}{4+t^{2}}, \mathrm{P}(x)=6 \sqrt{x}-11, k=5\right]
$$

X [Page = 0009] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 10143

$$
N o 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(3 x+7)^{6}\right) & .2=\left(\mathrm{f}(x)=\left(3 x^{2}-8 x+8\right)^{7}\right) \\
.3=(\mathrm{f}(x)=\sqrt{6 x-7}) & .4=\left(\mathrm{f}(x)=\frac{1}{2 x^{5}+3}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{4}+2 x+5\right)^{5}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{5 x-3}}\right) \\
.7=\left(\mathrm{f}(x)=(2 x-3)^{3}(7 x-4)\right) & .8=\left(\mathrm{f}(x)=\frac{(2 x-3)^{3}}{(7 x-4)^{3}}\right)
\end{array}\right]
$$




No3 : $k=3$



| X | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -6 | -7 | -8 | 9 | 8 | 7 | 6 | 5 | 4 |
| $g^{\prime}(x)$ | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |

$$
\text { No04 }=\left[\mathrm{x}(t)=\frac{5 t^{2}}{2+t^{2}}, \mathrm{P}(x)=2 \sqrt{x}-15, k=3\right]
$$

X [Page = 0010] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

 Diff03 for No. 11002
NoO1 $=\left[\begin{array}{cc}.1=\left(\mathrm{f}(x)=(2 x-5)^{11}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{4}+2 x+11\right)^{7}\right) \\ .3=(\mathrm{f}(x)=\sqrt{6-5 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{3 x^{3}+4}\right) \\ .5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{4}+2 x+3\right)^{5}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{5 x-8}}\right) \\ .7=\left(\mathrm{f}(x)=(2 x+7)(5 x+8)^{3}\right) & .8=\left(\mathrm{f}(x)=\frac{(2 x+7)^{3}}{(5 x+8)^{3}}\right)\end{array}\right]$



No3 : $k=6$


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

X [Page = 0012] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 11188

$$
N O 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(6 x-7)^{9}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{3}+2 x+9\right)^{6}\right) \\
.3=(\mathrm{f}(x)=\sqrt{7 x-5}) & .4=\left(\mathrm{f}(x)=\frac{1}{7 x^{6}-8}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(3 x^{4}-8 x+8\right)^{5}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{8-3 x}}\right) \\
.7=\left(\mathrm{f}(x)=(5 x-2)(7 x+5)^{3}\right) & .8=\left(\mathrm{f}(x)=\frac{(5 x-2)^{3}}{(7 x+5)^{3}}\right)
\end{array}\right]
$$




No3 : $k=8$


$$
N o 04=\left[\mathrm{x}(t)=\frac{6 t^{2}}{7+t^{2}}, \mathrm{P}(x)=6 \sqrt{x}-13, k=4\right]
$$

 Diff03 for No. 11505

$$
N o 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(-4+3 x)^{5}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{4}+2 x+5\right)^{4}\right) \\
.3=(\mathrm{f}(x)=\sqrt{5 x-8}) & .4=\left(\mathrm{f}(x)=\frac{1}{5 x^{3}+8}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{4}+2 x+3\right)^{7}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{5 x-7}}\right) \\
.7=\left(\mathrm{f}(x)=(5 x+6)(4 x+3)^{5}\right) & .8=\left(\mathrm{f}(x)=\frac{(5 x+6)^{5}}{(4 x+3)^{5}}\right)
\end{array}\right]
$$

| -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 |



$$
\text { No3 : } k=2
$$

| $\mid$ | x | $\mid$ | -8 | $\mid$ | -7 | -6 | -5 | -4 | -3 | -2 | -1 | $\mid$ | 0 |
| :---: | :---: | :---: | :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mid$ | $\mathrm{g}(\mathrm{x})$ | $\mid$ | 1 | $\mid$ | 2 | $\mid$ | 3 | $\mid$ | 4 | $\mid$ | 5 | $\mid$ | 6 |
| $\mid$ | 7 | $\mid$ | 8 | $\mid$ | 9 | $\mid$ |  |  |  |  |  |  |  |


| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 |
| $g^{\prime}(x)$ | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 |

$$
\text { No04 }=\left[\mathrm{x}(t)=\frac{7 t^{2}}{3+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-9, k=7\right]
$$

X [Page = 0014] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 12113

$$
\text { No01 }=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(7 x-4)^{11}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{4}+2 x+11\right)^{7}\right) \\
.3=(\mathrm{f}(x)=\sqrt{-4+3 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{3 x^{5}+5}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{4}+2 x+5\right)^{3}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{8 x-3}}\right) \\
.7=\left(\mathrm{f}(x)=(8 x-5)^{3}(3 x+7)\right) & .8=\left(\mathrm{f}(x)=\frac{(8 x-5)^{3}}{(3 x+7)^{3}}\right)
\end{array}\right]
$$




$$
\text { No3 : } k=3
$$

$$
\left.\begin{array}{lllllllllllllllll|l|l|l}
\mid & \mathrm{x} & \mid & -8 & \mid & -7 & \mid & -6 & \mid & -5 & \mid & -4 & \mid & -3 & \mid & -2 & \mid & -1 & \mid & 0
\end{array} \right\rvert\,
$$

$$
\begin{array}{|c|r|r|r|r|r|r|r|r|r|r|}
\hline x & -8 & -1 & -6 & -5 & -4 & -3 & -2 & -1 & 0 \\
\hline & g(x) & 3 & 2 & 1 & 0 & -1 & -2 & -3 & -4 & -5 \\
\hline
\end{array}
$$

$$
N o 04=\left[\mathrm{x}(t)=\frac{8 t^{2}}{4+t^{2}}, \mathrm{P}(x)=2 \sqrt{x}-7, k=2\right]
$$

 Diff03 for No. 12541
$N O 01=\left[\begin{array}{cc}.1=\left(\mathrm{f}(x)=(4 x+3)^{6}\right) & .2=\left(\mathrm{f}(x)=\left(3 x^{3}-2 x-2\right)^{7}\right) \\ .3=(\mathrm{f}(x)=\sqrt{2-5 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{8 x^{5}-3}\right) \\ .5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{4}+2 x+5\right)^{6}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{7 x-4}}\right) \\ .7=\left(\mathrm{f}(x)=(8 x-3)(7 x+2)^{3}\right) & .8=\left(\mathrm{f}(x)=\frac{(8 x-3)^{3}}{(7 x+2)^{3}}\right)\end{array}\right]$



No3 : $k=4$

| $\mid$ | $x$ | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | $\mid$ |  |
| :---: | :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mid$ | $g(x)$ | 5 | 4 | 3 | 2 | 1 | 1 | 0 | -1 | -2 | -3 | $\mid$ |
| $\mid$ | $g^{\prime}(x)$ | -14 | -12 | -10 | -8 | -6 | -4 | -2 | 0 | 2 | $\mid$ |  |


| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -4 | -5 | -6 | -7 | -8 | 9 | 8 | 7 | 6 |
| $g^{\prime}(x)$ | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |

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

x [Page = 0016] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 12590

$$
N o 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(5 x+2)^{7}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{3}+2 x+7\right)^{6}\right) \\
.3=(\mathrm{f}(x)=\sqrt{5-2 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{5 x^{5}+8}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{4}+2 x+5\right)^{3}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{2-5 x}}\right) \\
.7=\left(\mathrm{f}(x)=(2 x+7)(5 x+8)^{3}\right) & .8=\left(\mathrm{f}(x)=\frac{(2 x+7)^{3}}{(5 x+8)^{3}}\right)
\end{array}\right]
$$




## No3 : $k=8$

| x | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -1 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |



| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | 8 | 9 | -8 | -7 | -6 | -5 | -4 | -3 | -2 |
| $g^{\prime}(x)$ | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |

$$
\text { No04 }=\left[\mathrm{x}(t)=\frac{8 t^{2}}{7+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-9, k=4\right]
$$

 Diff03 for No. 12621

$$
N o 01=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(4 x-5)^{5}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{4}+2 x+5\right)^{5}\right) \\
.3=(\mathrm{f}(x)=\sqrt{8-7 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{2 x^{6}-3}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(3 x^{3}+4 x-4\right)^{3}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{2-5 x}}\right) \\
.7=\left(\mathrm{f}(x)=(3 x-8)^{3}(5 x+8)\right) & .8=\left(\mathrm{f}(x)=\frac{(3 x-8)^{3}}{(5 x+8)^{3}}\right)
\end{array}\right]
$$




| x | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -1 | -2 | -3 | -4 | -5 | -6 | -7 | -8 | 9 |
| $g^{\prime}(x)$ | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | 1 |
| X | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| $g(x)$ | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| $g^{\prime}(x)$ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

$$
N o 04=\left[\mathrm{x}(t)=\frac{7 t^{2}}{4+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-13, k=5\right]
$$

X [Page = 0018] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 12641

x [Page = 0019] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx Diff03 for No. 12674
$N O 01=\left[\begin{array}{cc}.1=\left(\mathrm{f}(x)=(2 x-5)^{7}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{2}+2 x+7\right)^{3}\right) \\ .3=(\mathrm{f}(x)=\sqrt{3 x-2}) & .4=\left(\mathrm{f}(x)=\frac{1}{2 x^{5}+3}\right) \\ .5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{3}+2 x+5\right)^{6}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{3-2 x}}\right) \\ .7=\left(\mathrm{f}(x)=(5 x+7)(2 x-3)^{5}\right) & .8=\left(\mathrm{f}(x)=\frac{(5 x+7)^{5}}{(2 x-3)^{5}}\right)\end{array}\right]$



$$
N o 04=\left[\mathrm{x}(t)=\frac{3 t^{2}}{4+t^{2}}, \mathrm{P}(x)=2 \sqrt{x}-9, k=8\right]
$$

X [Page = 0020] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { No3: } \mathrm{k}=5 \mathrm{~F}==================================================1
\end{aligned}
$$ Diff03 for No. 12728

$N o 01=\left[\begin{array}{cc}.1=\left(\mathrm{f}(x)=(5 x-7)^{5}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{4}+2 x+5\right)^{6}\right) \\ .3=(\mathrm{f}(x)=\sqrt{-4+3 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{6 x^{4}+5}\right) \\ .5=\left(\mathrm{f}(x)=\frac{1}{\left(4 x^{2}-5 x-5\right)^{3}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{7-6 x}}\right) \\ .7=\left(\mathrm{f}(x)=(5 x+3)(-6+7 x)^{4}\right) & .8=\left(\mathrm{f}(x)=\frac{(5 x+3)^{4}}{(-6+7 x)^{4}}\right)\end{array}\right]$



No3 : $k=5$

| $\mid$ | x | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 | $\mid$ |  |
| :---: | :---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| $\mid$ | $g(x)$ | 0 |  | -1 |  | -2 | -3 | -4 | -5 | -6 | -7 | -8 |
| $\mid$ | $g^{\prime}(x)$ | -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 |
| $g^{\prime}(x)$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

$$
\text { No04 }=\left[\mathrm{x}(t)=\frac{4 t^{2}}{3+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-3, k=6\right]
$$

X [Page = 0021] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX Diff03 for No. 14247

$$
\text { No01 }=\left[\begin{array}{cc}
.1=\left(\mathrm{f}(x)=(-7+3 x)^{11}\right) & .2=\left(\mathrm{f}(x)=\left(2 x^{3}+2 x+11\right)^{7}\right) \\
.3=(\mathrm{f}(x)=\sqrt{4-3 x}) & .4=\left(\mathrm{f}(x)=\frac{1}{7 x^{4}-5}\right) \\
.5=\left(\mathrm{f}(x)=\frac{1}{\left(2 x^{4}-5 x-5\right)^{7}}\right) & .6=\left(\mathrm{f}(x)=\frac{1}{\sqrt{3-2 x}}\right) \\
.7=\left(\mathrm{f}(x)=(8 x+7)(7 x+4)^{4}\right) & .8=\left(\mathrm{f}(x)=\frac{(8 x+7)^{4}}{(7 x+4)^{4}}\right)
\end{array}\right]
$$




No3 : $k=2$


| $g(x)$ | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |



| x | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $g(x)$ | -8 | -7 | -6 | -5 | -4 | -3 | -2 | -1 | 0 |
| $g^{\prime}(\mathrm{x})$ | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |

$$
\text { No04 }=\left[\mathrm{x}(t)=\frac{4 t^{2}}{1+t^{2}}, \mathrm{P}(x)=8 \sqrt{x}-9, k=7\right]
$$

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##  [ $>$

