X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00001XX Diff03 Answers for No. 9395

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cr}
.1=\left(f^{\prime}(x)=27(3 x-2)^{8}\right) & .2=\left(f^{\prime}(x)=5\left(2 x^{3}+2 x+9\right)^{4}\left(6 x^{2}+2\right)\right) \\
.3=\left(f^{\prime}(x)=\frac{1}{\sqrt{2 x-7}}\right) & .4=\left(f^{\prime}(x)=-\frac{8 x^{3}}{\left(2 x^{4}-5\right)^{2}}\right) \\
.5=\left(f^{\prime}(x)=-\frac{5\left(12 x^{2}-3\right)}{\left(4 x^{3}-3 x-3\right)^{6}}\right) & .6=\left(f^{\prime}(x)=\frac{4}{(7-8 x)^{(3 / 2)}}\right) \\
.7=\left(f^{\prime}(x)=20(5 x+3)^{3}(2 x-3)+2(5 x+3)^{4}\right) & .8=\left(f^{\prime}(x)=-\frac{84(5 x+3)^{3}}{(2 x-3)^{5}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=24\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-24\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=504\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{90}{7}\right]
\end{array}\right], A n s 4=\left[\begin{array}{l}
.1=\left[\frac{d x}{d t}=\frac{16 t}{\left(2+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{3}{\sqrt{x}}\right] \\
.3=\left[\frac{24 \sqrt{11}}{121}, 0.658\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

x [Page = 0001] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00002XX Diff03 Answers for No. 9419

$$
\begin{aligned}
& \left.A n s l=\left[\begin{array}{cr}
. l=\left(f^{\prime}(x)=42(7 x-5)^{5}\right) \\
.3=\left(f^{\prime}(x)=-\frac{3}{2 \sqrt{5-3 x}}\right) & .2=\left(f^{\prime}(x)=5\left(3 x^{4}-5 x+5\right)^{4}\left(12 x^{3}-5\right)\right) \\
.5=\left(f^{\prime}(x)=-\frac{3\left(6 x^{2}+2\right)}{\left(2 x^{3}+2 x+7\right)^{4}}\right) & .4=\left(f(x)=-\frac{21 x^{6}}{\left(3 x^{7}-5\right)^{2}}\right) \\
.7=\left(f^{\prime}(x)=6(2 x-7)^{4}+8(6 x+5)(2 x-7)^{3}\right) & .8=\left(f(x)=-\frac{7}{\left.2(2-7 x)^{(3 / 2)}\right)}\right. \\
(2 x-7)^{5}
\end{array}\right)\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-12\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=20\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=710\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{365}{18}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{56 t}{\left(4+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=[\sqrt{7} \sqrt{2}, 3.742]
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

X [Page = 0002] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00003XX Diff03 Answers for No. 9428

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
. l=\left(\mathrm{f}(x)=27(3 x+2)^{8}\right) \\
.3=\left(\mathrm{f}(x)=\frac{3}{\sqrt{6 x-7}}\right) \\
.5=\left(\mathrm{f}(x)=-\frac{5\left(6 x^{2}+2\right)}{\left(2 x^{3}+2 x+3\right)^{6}}\right) \\
.7=\left(\mathrm{f}(x)=5(3 x-8)^{3}+9(5 x+7)(3 x-8)^{2}\right)
\end{array}\right. \\
& \left..2=\left(\mathrm{f}(x)=7\left(2 x^{3}+2 x+9\right)^{6}\left(6 x^{2}+2\right)\right)\right] \\
& .4=\left(\mathrm{f}(x)=-\frac{9 x^{2}}{\left(3 x^{3}+4\right)^{2}}\right) \\
& .6=\left(f(x)=-\frac{2}{(4 x-7)^{(3 / 2)}}\right) \\
& .8=\left(f(x)=-\frac{183(5 x+7)^{2}}{(3 x-8)^{4}}\right) \\
& \text { Ans } 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=36\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=8\right]
\end{array}\right], \text { Ans } 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-63\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{63}{4}\right]
\end{array}\right], \text { Ans } 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{24 t}{\left(3+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{2 \sqrt{3}}{3}, 1.155\right]
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

X [Page $=0003]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00004XX Diff03 Answers for No. 9459

$$
\begin{aligned}
& \left.A n s l=\left[\begin{array}{cr}
. l=\left(f^{\prime}(x)=40(8 x+3)^{4}\right) \\
.3=\left(f^{\prime}(x)=-\frac{3}{2 \sqrt{8-3 x}}\right) & .2=\left(f^{\prime}(x)=7\left(2 x^{4}+2 x+5\right)^{6}\left(8 x^{3}+2\right)\right) \\
.5=\left(f^{\prime}(x)=-\frac{6(4 x+2)}{\left(2 x^{2}+2 x+7\right)^{7}}\right) & .6=\left(f^{\prime}(x)=-\frac{28 x^{6}}{\left(4 x^{7}-5\right)^{2}}\right) \\
.7=\left(f^{\prime}(x)=40(8 x-5)^{4}(5 x-7)+5(8 x-5)^{5}\right) & .8=\left(f^{\prime}(x)=-\frac{3}{\left.2(4-3 x)^{(3 / 2)}\right)}\right. \\
(5 x-7)^{6}
\end{array}\right)\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=6\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=24\right]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=456\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=14\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{16 t}{\left(4+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{4 \sqrt{2} \sqrt{17}}{289}, 0.081\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

[^0]X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00005XX Diff03 Answers for No. 9476

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=\left(\mathrm{f}^{\prime}(x)=30(5 x+3)^{5}\right) & .2=\left(f^{\prime}(x)=7\left(3 x^{3}+7 x+7\right)^{6}\left(9 x^{2}+7\right)\right) \\
.3=\left(f^{\prime}(x)=\frac{1}{\sqrt{2 x-5}}\right) & .4=\left(f^{\prime}(x)=-\frac{16 x^{3}}{\left(4 x^{4}-7\right)^{2}}\right) \\
.5=\left(f^{\prime}(x)=-\frac{7\left(12 x^{2}-5\right)}{\left(4 x^{3}-5 x-5\right)^{8}}\right) & .6=\left(f^{\prime}(x)=\frac{5}{\left.2(4-5 x)^{(3 / 2)}\right)}\right. \\
.7=\left(f^{\prime}(x)=12(4 x+3)^{2}(5 x-3)+5(4 x+3)^{3}\right) & .8=\left(f^{\prime}(x)=-\frac{81(4 x+3)^{2}}{(5 x-3)^{4}}\right)
\end{array}\right]
\end{aligned}
$$

[^1]X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00006XX Diff03 Answers for No. 9491

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=\left(f^{\prime}(x)=24(3 x+4)^{7}\right) \\
.3=\left(f^{\prime}(x)=\frac{5}{2 \sqrt{5 x-6}}\right) & .2=\left(f^{\prime}(x)=6\left(2 x^{4}-5 x-5\right)^{5}\left(8 x^{3}-5\right)\right) \\
.5=\left(f^{\prime}(x)=-\frac{3\left(6 x^{2}+2\right)}{\left(2 x^{3}+2 x+3\right)^{4}}\right) & .4=\left(f^{\prime}(x)=-\frac{15 x^{2}}{\left(5 x^{3}-7\right)^{2}}\right) \\
.7=\left(f^{\prime}(x)=8(3 x+2)^{5}+15(8 x+7)(3 x+2)^{4}\right) & .8=\left(f^{\prime}(x)=\frac{3}{\left.2(4-3 x)^{(3 / 2)}\right)}\right. \\
\left.f^{2}(x)=-\frac{25(8 x+7)^{4}}{(3 x+2)^{6}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
. l=\left[\mathrm{F}^{\prime}(k)=20\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=36\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
. l=\left[\mathrm{F}^{\prime}(k)=312\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{408}{25}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{30 t}{\left(5+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{1}{\sqrt{x}}\right] \\
.3=\left[\frac{5 \sqrt{3} \sqrt{14}}{98}, 0.331\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

x [Page = 0006] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00007XX Diff03 Answers for No. 9633

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cc}
. l=\left(f^{\prime}(x)=56(7 x+2)^{7}\right) \\
.3=\left(f^{\prime}(x)=-\frac{3}{2 \sqrt{7-3 x}}\right) & .2=\left(f^{\prime}(x)=6\left(3 x^{3}+4 x+4\right)^{5}\left(9 x^{2}+4\right)\right) \\
.5=\left(f^{\prime}(x)=-\frac{4\left(6 x^{2}+2\right)}{\left(2 x^{3}+2 x+3\right)^{5}}\right) & .4=\left(f^{\prime}(x)=-\frac{6 x^{2}}{\left(2 x^{3}-5\right)^{2}}\right) \\
.7=\left(f^{\prime}(x)=7(3 x+8)^{5}+15(7 x+6)(3 x+8)^{4}\right) & .8=\left(f^{\prime}(x)=\frac{7}{\left.2(8-7 x)^{(3 / 2)}\right)}\right. \\
\left.f^{\prime}(x)=\frac{190(7 x+6)^{4}}{(3 x+8)^{6}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-64\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-96\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=200\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{25}{8}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{30 t}{\left(5+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{2}{\sqrt{x}}\right] \\
.3=\left[\frac{5 \sqrt{3} \sqrt{14}}{49}, 0.661\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

x [Page = 0007] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00008XX Diff03 Answers for No. 9711

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cr}
. l=\left(f^{\prime}(x)=20(2 x+7)^{9}\right) & .2=\left(f^{\prime}(x)=4\left(2 x^{4}-5 x+5\right)^{3}\left(8 x^{3}-5\right)\right) \\
.3=\left(f^{\prime}(x)=-\frac{7}{2 \sqrt{6-7 x}}\right) & .4=\left(f^{\prime}(x)=-\frac{20 x^{3}}{\left(5 x^{4}-8\right)^{2}}\right) \\
.5=\left(f^{\prime}(x)=-\frac{6(-7+8 x)}{\left(4 x^{2}-7 x+7\right)^{7}}\right) & .6=\left(f^{\prime}(x)=-\frac{4}{(8 x-3)^{(3 / 2)}}\right) \\
.7=\left(f^{\prime}(x)=32(8 x-3)^{3}(5 x-8)+5(8 x-3)^{4}\right) & .8=\left(f^{\prime}(x)=-\frac{196(8 x-3)^{3}}{(5 x-8)^{5}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-20\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-20\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=348\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{57}{4}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{4 t}{\left(1+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{8 \sqrt{2} \sqrt{17}}{289}, 0.161\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

[^2]X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00009XX Diff03 Answers for No. 9784

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cr}
. l=\left(\mathrm{f}^{\prime}(x)=44(4 x-5)^{10}\right) & .2=\left(\mathrm{f}^{\prime}(x)=7\left(2 x^{2}+2 x+11\right)^{6}(4 x+2)\right) \\
.3=\left(\mathrm{f}^{\prime}(x)=\frac{5}{2 \sqrt{5 x-2}}\right) \\
.5=\left(\mathrm{f}^{\prime}(x)=-\frac{7\left(6 x^{2}+2\right)}{\left(2 x^{3}+2 x+3\right)^{8}}\right) & .4=\left(\mathrm{f}^{\prime}(x)=-\frac{9 x^{2}}{\left(3 x^{3}-5\right)^{2}}\right) \\
.7=\left(\mathrm{f}^{\prime}(x)=28(7 x+2)^{3}(2 x+3)+2(7 x+2)^{4}\right) & .8=\left(\mathrm{f}^{\prime}(x)=-\frac{1}{\left.(2 x-7)^{(3 / 2)}\right)}\right) \\
\left.(2 x+3)^{5}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-24\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=84\right]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=1040\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{63}{4}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{24 t}{\left(4+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{3}{\sqrt{x}}\right] \\
.3=\left[\frac{24 \sqrt{3} \sqrt{29}}{841}, 0.266\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

x [Page = 0009] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00010XX Diff03 Answers for No. 10143

$$
\begin{aligned}
& A n s l=\left[\begin{array}{c}
. l=\left(\mathrm{f}^{\prime}(x)=18(3 x+7)^{5}\right) \\
3=\left(\mathrm{f}(x)=\frac{3}{\sqrt{6 x-7}}\right) \\
.5=\left(\mathrm{f}(x)=-\frac{5\left(8 x^{3}+2\right)}{\left(2 x^{4}+2 x+5\right)^{6}}\right) \\
.7=\left(\mathrm{f}^{\prime}(x)=6(2 x-3)^{2}(7 x-4)+7(2 x-3)^{3}\right)
\end{array}\right. \\
& A n s 2=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=50\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-12\right]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=996\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{231}{16}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{20 t}{\left(2+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{1}{\sqrt{x}}\right] \\
.3=\left[\frac{4 \sqrt{5} \sqrt{11}}{121}, 0.245\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

x [Page = 0010] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00011XX Diff03 Answers for No. 10626

[^3]X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00012XX Diff03 Answers for No. 11002

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cr}
.1=\left(\mathrm{f}^{\prime}(x)=22(2 x-5)^{10}\right) & .2=\left(\mathrm{f}^{\prime}(x)=7\left(2 x^{4}+2 x+11\right)^{6}\left(8 x^{3}+2\right)\right) \\
.3=\left(\mathrm{f}^{\prime}(x)=-\frac{5}{2 \sqrt{6-5 x}}\right) & .4=\left(\mathrm{f}(x)=-\frac{9 x^{2}}{\left(3 x^{3}+4\right)^{2}}\right) \\
.5=\left(\mathrm{f}^{\prime}(x)=-\frac{5\left(8 x^{3}+2\right)}{\left(2 x^{4}+2 x+3\right)^{6}}\right) & .6=\left(\mathrm{f}(x)=-\frac{5}{2(5 x-8)^{(3 / 2)}}\right) \\
.7=\left(\mathrm{f}^{\prime}(x)=2(5 x+8)^{3}+15(2 x+7)(5 x+8)^{2}\right) & .8=\left(f^{\prime}(x)=-\frac{57(2 x+7)^{2}}{(5 x+8)^{4}}\right)
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=48\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=8\right]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=250\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{155}{32}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{56 t}{\left(7+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{2}{\sqrt{x}}\right] \\
.3=\left[\frac{7}{8}, 0.875\right]
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

X [Page = 0012] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00013XX Diff03 Answers for No. 11188

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cc}
. l=\left(f^{\prime}(x)=54(6 x-7)^{8}\right) \\
.3=\left(f^{\prime}(x)=\frac{7}{2 \sqrt{7 x-5}}\right) & .2=\left(f(x)=6\left(2 x^{3}+2 x+9\right)^{5}\left(6 x^{2}+2\right)\right) \\
.5=\left(f^{\prime}(x)=-\frac{5\left(12 x^{3}-8\right)}{\left(3 x^{4}-8 x+8\right)^{6}}\right) & .4=\left(f(x)=-\frac{42 x^{5}}{\left(7 x^{6}-8\right)^{2}}\right) \\
.7=\left(f^{\prime}(x)=5(7 x+5)^{3}+21(5 x-2)(7 x+5)^{2}\right) & .8=\left(f^{\prime}(x)=\frac{3}{\left.2(8-3 x)^{(3 / 2)}\right)}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-28\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-16\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=1204\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{287}{9}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{84 t}{\left(7+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{3}{\sqrt{x}}\right] \\
.3=\left[\frac{42 \sqrt{6} \sqrt{23}}{529}, 0.933\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

x [Page = 0013] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00014XX Diff03 Answers for No. 11505

$$
\begin{aligned}
& \left.A n s l=\left[\begin{array}{cc}
. l=\left(\mathrm{f}^{\prime}(x)=15(-4+3 x)^{4}\right) \\
.3=\left(\mathrm{f}^{\prime}(x)=\frac{5}{2 \sqrt{5 x-8}}\right) & .2=\left(\mathrm{f}(x)=4\left(2 x^{4}+2 x+5\right)^{3}\left(8 x^{3}+2\right)\right) \\
.5=\left(\mathrm{f}^{\prime}(x)=-\frac{7\left(8 x^{3}+2\right)}{\left(2 x^{4}+2 x+3\right)^{8}}\right) & .6=\left(f^{\prime}(x)=-\frac{15 x^{2}}{\left(5 x^{3}+8\right)^{2}}\right) \\
.7=\left(f^{\prime}(x)=5(4 x+3)^{5}+20(5 x+6)(4 x+3)^{4}\right) & .8=\left(f(x)=-\frac{5}{\left.2(5 x-7)^{(3 / 2)}\right)}\right. \\
(4 x+3)^{6}
\end{array}\right)\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=56\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-40\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=228\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{220}{49}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{42 t}{\left(3+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{3 \sqrt{7} \sqrt{13}}{169}, 0.169\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00015XX Diff03 Answers for No. 12113

$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cr}
. l=\left(f^{\prime}(x)=77(7 x-4)^{10}\right) & .2=\left(f^{\prime}(x)=7\left(2 x^{4}+2 x+11\right)^{6}\left(8 x^{3}+2\right)\right) \\
.3=\left(f^{\prime}(x)=\frac{3}{2 \sqrt{-4+3 x}}\right) & .4=\left(f^{\prime}(x)=-\frac{15 x^{4}}{\left(3 x^{5}+5\right)^{2}}\right) \\
.5=\left(f^{\prime}(x)=-\frac{3\left(8 x^{3}+2\right)}{\left(2 x^{4}+2 x+5\right)^{4}}\right) & .6=\left(f^{\prime}(x)=-\frac{4}{\left.(8 x-3)^{(3 / 2)}\right)}\right. \\
.7=\left(f^{\prime}(x)=24(8 x-5)^{2}(3 x+7)+3(8 x-5)^{3}\right) & .8=\left(f(x)=\frac{213(8 x-5)^{2}}{(3 x+7)^{4}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-16\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=24\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=924\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{249}{16}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{64 t}{\left(4+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{1}{\sqrt{x}}\right] \\
.3=[1,1.000]
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00016XX Diff03 Answers for No. 12541

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{cc}
. l=\left(\mathrm{f}^{\prime}(x)=24(4 x+3)^{5}\right) & .2=\left(\mathrm{f}^{\prime}(x)=7\left(3 x^{3}-2 x-2\right)^{6}\left(9 x^{2}-2\right)\right) \\
.3=\left(\mathrm{f}^{\prime}(x)=-\frac{5}{2 \sqrt{2-5 x}}\right) & .4=\left(\mathrm{f}^{\prime}(x)=-\frac{40 x^{4}}{\left(8 x^{5}-3\right)^{2}}\right) \\
.5=\left(\mathrm{f}(x)=-\frac{6\left(8 x^{3}+2\right)}{\left(2 x^{4}+2 x+5\right)^{7}}\right) & .6=\left(\mathrm{f}(x)=-\frac{7}{2(7 x-4)^{(3 / 2)}}\right) \\
.7=\left(\mathrm{f}(x)=8(7 x+2)^{3}+21(8 x-3)(7 x+2)^{2}\right) & .8=\left(f(x)=\frac{111(8 x-3)^{2}}{(7 x+2)^{4}}\right)
\end{array}\right] \\
& \text { Ans } 2=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=6\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-30\right]
\end{array}\right], \text { Ans } 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=880\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{800}{49}\right]
\end{array}\right], \text { Ans } 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{36 t}{\left(6+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{1}{\sqrt{x}}\right] \\
.3=\left[\frac{12 \sqrt{3} \sqrt{55}}{3025}, 0.051\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

[^4]X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00017XX Diff03 Answers for No. 12590

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cr}
. l=\left(f^{\prime}(x)=35(5 x+2)^{6}\right) & .2=\left(f(x)=6\left(2 x^{3}+2 x+7\right)^{5}\left(6 x^{2}+2\right)\right) \\
.3=\left(f^{\prime}(x)=-\frac{1}{\sqrt{5-2 x}}\right) & .4=\left(f^{\prime}(x)=-\frac{25 x^{4}}{\left(5 x^{5}+8\right)^{2}}\right) \\
.5=\left(f^{\prime}(x)=-\frac{3\left(8 x^{3}+2\right)}{\left(2 x^{4}+2 x+5\right)^{4}}\right) & .6=\left(f(x)=\frac{5}{\left.2(2-5 x)^{(3 / 2)}\right)}\right. \\
.7=\left(f^{\prime}(x)=2(5 x+8)^{3}+15(2 x+7)(5 x+8)^{2}\right) & .8=\left(f(x)=-\frac{57(2 x+7)^{2}}{(5 x+8)^{4}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=16\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=0\right]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=88\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{-88}{9}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{112 t}{\left(7+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{112 \sqrt{2} \sqrt{23}}{529}, 1.436\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
h \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

[^5]X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00018XX Diff03 Answers for No. 12621

$$
\begin{aligned}
& A n s l=\left[\begin{array}{c}
. l=\left(f^{\prime}(x)=20(4 x-5)^{4}\right) \\
.3=\left(f^{\prime}(x)=-\frac{7}{2 \sqrt{8-7 x}}\right) \\
.5=\left(\mathrm{f}^{\prime}(x)=-\frac{3\left(9 x^{2}+4\right)}{\left(3 x^{3}+4 x-4\right)^{4}}\right) \\
.7=\left(f(x)=9(3 x-8)^{2}(5 x+8)+5(3 x-8)^{3}\right)
\end{array}\right. \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-4\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=10\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=126\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{14}{3}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{56 t}{\left(4+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{32 \sqrt{7} \sqrt{29}}{841}, 0.542\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

X [Page = 0018] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{cc}
.1=\left(\mathrm{f}^{\prime}(x)=20(2 x-7)^{9}\right) \\
.3=\left(\mathrm{f}^{\prime}(x)=-\frac{5}{2 \sqrt{7-5 x}}\right) & .2=\left(\mathrm{f}^{\prime}(x)=6\left(3 x^{2}-8 x+8\right)^{5}(6 x-8)\right) \\
.5=\left(\mathrm{f}^{\prime}(x)=-\frac{4\left(8 x^{3}+2\right)}{\left(2 x^{4}+2 x+7\right)^{5}}\right) & .4=\left(\mathrm{f}^{\prime}(x)=-\frac{21 x^{6}}{\left(3 x^{7}-4\right)^{2}}\right) \\
.7=\left(\mathrm{f}^{\prime}(x)=18(6 x+7)^{2}(-6+7 x)+7(6 x+7)^{3}\right) & .8=\left(f^{\prime}(x)=-\frac{2}{(4 x-7)^{(3 / 2)}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=42\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=42\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=270\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{66}{5}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{12 t}{\left(2+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{2}{\sqrt{x}}\right] \\
.3=\left[\frac{2 \sqrt{2} \sqrt{3}}{27}, 0.181\right]
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

x [Page = 0019] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

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$$
\begin{aligned}
& \text { Ansl }=\left[\begin{array}{c}
.1=\left(f^{\prime}(x)=14(2 x-5)^{6}\right) \\
.3=\left(f^{\prime}(x)=\frac{3}{2 \sqrt{3 x-2}}\right) \\
.5=\left(f^{\prime}(x)=-\frac{6\left(6 x^{2}+2\right)}{\left(2 x^{3}+2 x+5\right)^{7}}\right) \\
.7=\left(f^{\prime}(x)=5(2 x-3)^{5}+10(5 x+7)(2 x-3)^{4}\right)
\end{array}\right. \\
& \left..2=\left(f(x)=3\left(2 x^{2}+2 x+7\right)^{2}(4 x+2)\right)\right] \\
& .4=\left(f^{\prime}(x)=-\frac{10 x^{4}}{\left(2 x^{5}+3\right)^{2}}\right) \\
& .6=\left(\mathrm{f}^{\prime}(x)=\frac{1}{(3-2 x)^{(3 / 2)}}\right) \\
& .8=\left(\mathrm{f}^{\prime}(x)=-\frac{145(5 x+7)^{4}}{(2 x-3)^{6}}\right) \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-24\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=36\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-56\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{56}{9}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{24 t}{\left(4+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{1}{\sqrt{x}}\right] \\
.3=\left[\frac{\sqrt{3} \sqrt{17}}{289}, 0.025\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
a \\
t \\
h \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$



X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00021XX Diff03 Answers for No. 12728

$$
\begin{aligned}
& \text { Ans } 1=\left[\begin{array}{c}
.1=\left(\mathrm{f}^{\prime}(x)=25(5 x-7)^{4}\right) \\
.3=\left(\mathrm{f}^{\prime}(x)=\frac{3}{2 \sqrt{-4+3 x}}\right) \\
.5=\left(\mathrm{f}(x)=-\frac{3(8 x-5)}{\left(4 x^{2}-5 x-5\right)^{4}}\right) \\
.7=\left(\mathrm{f}^{\prime}(x)=5(-6+7 x)^{4}+28(5 x+3)(-6+7 x)^{3}\right)
\end{array}\right. \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-54\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=-50\right]
\end{array}\right], A n s 3=\left[\begin{array}{c}
.1=\left[\mathrm{F}^{\prime}(k)=150\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=4\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
. l=\left[\frac{d x}{d t}=\frac{24 t}{\left(3+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{16 \sqrt{3} \sqrt{13}}{507}, 0.197\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$

[^6]X Math@MUT XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXM6/1-6600507-00022XX Diff03 Answers for No. 14247

$$
\begin{aligned}
& A n s l=\left[\begin{array}{cr}
.1=\left(\mathrm{f}^{\prime}(x)=33(-7+3 x)^{10}\right) & .2=\left(\mathrm{f}^{\prime}(x)=7\left(2 x^{3}+2 x+11\right)^{6}\left(6 x^{2}+2\right)\right) \\
.3=\left(\mathrm{f}^{\prime}(x)=-\frac{3}{2 \sqrt{4-3 x}}\right) & .4=\left(\mathrm{f}(x)=-\frac{28 x^{3}}{\left(7 x^{4}-5\right)^{2}}\right) \\
.5=\left(\mathrm{f}^{\prime}(x)=-\frac{7\left(8 x^{3}-5\right)}{\left(2 x^{4}-5 x-5\right)^{8}}\right) & .6=\left(\mathrm{f}^{\prime}(x)=\frac{1}{\left.(3-2 x)^{(3 / 2)}\right)}\right. \\
.7=\left(\mathrm{f}^{\prime}(x)=8(7 x+4)^{4}+28(8 x+7)(7 x+4)^{3}\right) & .8=\left(f^{\prime}(x)=-\frac{68(8 x+7)^{3}}{(7 x+4)^{5}}\right)
\end{array}\right] \\
& A n s 2=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=-42\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=36\right]
\end{array}\right], A n s 3=\left[\begin{array}{l}
.1=\left[\mathrm{F}^{\prime}(k)=580\right] \\
.2=\left[\mathrm{F}^{\prime}(k)=\frac{540}{49}\right]
\end{array}\right], A n s 4=\left[\begin{array}{c}
.1=\left[\frac{d x}{d t}=\frac{8 t}{\left(1+t^{2}\right)^{2}}\right] \\
.2=\left[\frac{d P}{d x}=\frac{4}{\sqrt{x}}\right] \\
.3=\left[\frac{4 \sqrt{2}}{125}, 0.045\right.
\end{array}\right],\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]
\end{aligned}
$$



##  [ $>$


[^0]:    x [Page = 0004] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^1]:    X [Page $=0005]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^2]:    x [Page = 0008] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^3]:    X [Page $=0011]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^4]:    

[^5]:    

[^6]:    x [Page = 0021] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

