$$
\left[\left[\begin{array}{c}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

\&

$$
\left.\left[\begin{array}{c}
\& \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right]
$$

X [Page $=0001]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2} 2 x^{3}-4 x^{2}+2 x+2 & .2=\lim _{x \rightarrow 3}(2 x-3)\left(4 x^{2}+2 x-2\right) & .3=\lim _{x \rightarrow 4} \frac{2 x^{3}-x^{2}+1}{2 x-1} \\
.4=\lim _{x \rightarrow 4} \frac{4-x}{2-\sqrt{x}} & .5=\lim _{x \rightarrow 14} \frac{\sqrt{x-5}-3}{14-x} & .6=\lim _{x \rightarrow 3} \sqrt{1-x} \\
.7=\lim _{x \rightarrow(-1)}|x-2| & .8=\lim _{x \rightarrow 3} \frac{|x-3|}{x-3} & .9=\lim _{x \rightarrow 1-} \frac{x-1}{\left|x^{2}-1\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{4}{x}+\frac{4}{|x|} & .11=\lim _{x \rightarrow(2 / 3)} \frac{12 x^{2}-23 x+10}{|3 x-2|} & \text { Math@MUT}
\end{array}\right] \text {, } \\
& \begin{array}{c}
\text { No02 }=\left[\begin{array}{c}
{\left[\mathrm{f}(x)=\left\{\begin{array}{l}
\frac{x}{|x|} \quad \begin{array}{l}
x \neq 0 \\
1 \\
x=0
\end{array} \quad \mathrm{~g}(x)=x-5
\end{array}\right]\right.} \\
{\left[\left[\begin{array}{lll}
.3 .1=\lim _{x \rightarrow 0-} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0+} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0+} \mathrm{f}(x) \mathrm{g}(x) \\
3.4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & \text { Math@MUT}
\end{array}\right]\right]} \\
\text { No03 }=\left[\begin{array}{lll}
\mathrm{f}(x)=\operatorname{ceil}(x)
\end{array}\right] \\
{\left[\left[\begin{array}{lll}
.1=\lim _{x \rightarrow 2-} \mathrm{f}(x) & .2=\lim _{x \rightarrow 2+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 2} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-2.5)-} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-2.5)+} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-2.5)} \mathrm{f}(x)
\end{array}\right]\right.}
\end{array}\right]
\end{array}
\end{aligned}
$$

$$
\left[\left[\begin{array}{c}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

$$
\&
$$

$$
\left[\left[\begin{array}{c}
a \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right]
$$

X [Page $=0002]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 1=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} 5 x^{3} & .2=\lim _{x \rightarrow 3}(x+1)\left(2 x^{3}-3 x+1\right) & .3=\lim _{x \rightarrow 4} \frac{4 x^{3}-3 x^{2}-2 x}{4 x-1} \\
.4=\lim _{x \rightarrow 4} \frac{x-4}{2-\sqrt{x}} & .5=\lim _{x \rightarrow 29} \frac{\sqrt{x-4}-5}{29-x} & .6=\lim _{x \rightarrow 2} \sqrt{1-x} \\
.7=\lim _{x \rightarrow 3}|x+1| & .8=\lim _{x \rightarrow 3} \frac{x-3}{|x-3|} & .9=\lim _{x \rightarrow 1+} \frac{x-1}{\left|x^{2}-3 x+2\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{2}{|x|}-\frac{2}{x} & .11=\lim _{x \rightarrow(5 / 6)} \frac{6 x^{2}-17 x+10}{|6 x-5|} & \text { Math@MUT}
\end{array}\right],
\end{aligned}
$$

$$
\begin{aligned}
& \text { No01 }=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2} 2 x^{2}+3 x-2 & .2=\lim _{x \rightarrow 3}\left(x^{2}-4 x-4\right)(5 x+1) & .3=\lim _{x \rightarrow 1} \frac{x-1}{2 x+2} \\
.4=\lim _{x \rightarrow 64} \frac{64-x}{\sqrt{x}-8} & .5=\lim _{x \rightarrow 8} \frac{\sqrt{x-4}-2}{8-x} & .6=\lim _{x \rightarrow 3} \sqrt{1-x} \\
.7=\lim _{x \rightarrow 3}|x-3| & .8=\lim _{x \rightarrow 2} \frac{x-2}{|x-2|} & .9=\lim _{x \rightarrow 5+} \frac{x-5}{\left|x^{2}-x-20\right|} \\
.10=\lim _{x \rightarrow 0^{+}} \frac{3}{x}+\frac{3}{|x|} & .11=\lim _{x \rightarrow(2 / 5)} \frac{|5 x-2|}{15 x^{2}-11 x+2} & \text { Math@MUT}
\end{array}\right] \text {, } \\
& {\left[\mathrm{f}(x)=\left\{\begin{array}{cc}
\frac{4 x}{|x|} & x \neq 0 \\
4 & x=0
\end{array}, \mathrm{~g}(x)=2 x-1\right]\right.} \\
& \text { No02 }=\left[\left[\left[\begin{array}{ccc}
.3 .1=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0^{-}} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \mathrm{f}(x)+\mathrm{g}(x) & \text { Math@MUT}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
. & \mathrm{f}(x)=\mathrm{floor}(x) \\
.1=\lim _{x \rightarrow 5-} \mathrm{f}(x) & .2=\lim _{x \rightarrow 5^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 5} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-1.7)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-1.7)+} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-1.7)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

X [Page = 0003] xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 1} 3 x^{3}+2 x^{2}+4 & .2=\lim _{x \rightarrow 1}(x+4)\left(5 x^{3}+3 x^{2}+2\right) & .3=\lim _{x \rightarrow 1} \frac{x-3}{4 x^{3}-x^{2}+3 x} \\
.4=\lim _{x \rightarrow 49} \frac{49-x}{7-\sqrt{x}} & .5=\lim _{x \rightarrow 24} \frac{5-\sqrt{x+1}}{24-x} & .6=\lim _{x \rightarrow 2} \sqrt{2-x} \\
.7=\lim _{x \rightarrow 2}|x-2| & .8=\lim _{x \rightarrow 3} \frac{|x-3|}{3-x} & .9=\lim _{x \rightarrow 4+} \frac{x-4}{\left|x^{2}-16\right|} \\
.10=\lim _{x \rightarrow 0-} \frac{1}{x}-\frac{1}{|x|} & .11=\lim _{x \rightarrow(2 / 5)} \frac{|5 x-2|}{15 x^{2}+14 x-8} & \text { Math@MUT}
\end{array}\right], \\
& {\left[\mathrm{f}(x)=3 x-1, \mathrm{~g}(x)=\left\{\begin{array}{cc}
\frac{5 x}{|x|} & x \neq 0 \\
5 & x=0
\end{array}\right]\right.} \\
& \text { No02 }=\left[\left[\left[\left[\begin{array}{ccc}
.3 .1=\lim _{x \rightarrow 0-} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & \text { Math@MUT}
\end{array}\right]\right]\right]\right. \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 5-} & \mathrm{f}(x)=\mathrm{floor}(x) \\
.4=\lim _{x \rightarrow(-3.7)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow 5^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 5} \mathrm{f}(x) \\
\mathrm{lim}(x) & .6=\lim _{x \rightarrow(-3.7)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

X [Page = 0004] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\left[\left[\begin{array}{l}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

$$
\begin{gathered}
\& \\
{\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right.}
\end{gathered}
$$

X [Page = 0005] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 1} 3 x^{3}+x+4 & .2=\lim _{x \rightarrow 1}(4 x+4)\left(x^{2}-4 x-4\right) & .3=\lim _{x \rightarrow 2} \frac{5 x^{3}-x^{2}+x}{x-1} \\
.4=\lim _{x \rightarrow 4} \frac{2-\sqrt{x}}{x-4} & .5=\lim _{x \rightarrow 8} \frac{8-x}{3-\sqrt{x+1}} & .6=\lim _{x \rightarrow 3} \sqrt{2-x} \\
.7=\lim _{x \rightarrow 1}|x+2| & .8=\lim _{x \rightarrow 1} \frac{|x-1|}{1-x} & .9=\lim _{x \rightarrow 4+} \frac{x-4}{\left|x^{2}-6 x+8\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{5}{x}+\frac{5}{|x|} & .11=\lim _{x \rightarrow(4 / 3)} \frac{|3 x-4|}{3 x^{2}-10 x+8} & \text { Math@MUT}
\end{array}\right],
\end{aligned}
$$

$$
\left[\left[\begin{array}{l}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

$$
\begin{gathered}
\& \\
{\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right.}
\end{gathered}
$$

X [Page = 0006] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} x^{2}-4 x-2 & .2=\lim _{x \rightarrow 3}\left(x^{2}-2\right)(x-4) & .3=\lim _{x \rightarrow 3} \frac{5 x^{2}+x-2}{2 x^{2}-2 x-1} \\
.4=\lim _{x \rightarrow 9} \frac{3-\sqrt{x}}{9-x} & .5=\lim _{x \rightarrow 11} \frac{x-11}{\sqrt{x-2}-3} & .6=\lim _{x \rightarrow 3} \sqrt{2-x} \\
.7=\lim _{x \rightarrow(-3)}|x+1| & .8=\lim _{x \rightarrow 3} \frac{|x-3|}{3-x} & .9=\lim _{x \rightarrow 5+} \frac{\left|x^{2}-7 x+10\right|}{x-5} \\
.10=\lim _{x \rightarrow 0-} \frac{1}{x}+\frac{1}{|x|} & .11=\lim _{x \rightarrow(4 / 3)} \frac{3 x^{2}-10 x+8}{|3 x-4|} & \text { Math@MUT}
\end{array}\right],
\end{aligned}
$$

$$
\left[\left[\begin{array}{l}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

\&

$$
\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right]
$$

[^0]\[

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2} 5 x^{2}+x-1 & .2=\lim _{x \rightarrow 2}\left(4 x^{2}-4 x-3\right)\left(5 x^{2}-2 x-4\right) & .3=\lim _{x \rightarrow 3} \frac{5 x+4}{5 x^{2}-x} \\
.4=\lim _{x \rightarrow 49} \frac{x-49}{7-\sqrt{x}} & .5=\lim _{x \rightarrow 22} \frac{x-22}{5-\sqrt{x+3}} & .6=\lim _{x \rightarrow 1} \sqrt{2-x} \\
.7=\lim _{x \rightarrow(-3)}|x+3| & .8=\lim _{x \rightarrow 2} \frac{x-2}{|x-2|} & .9=\lim _{x \rightarrow 3+} \frac{\left|x^{2}-8 x+15\right|}{x-3} \\
.10=\lim _{x \rightarrow 0+} \frac{3}{x}-\frac{3}{|x|} & .11=\lim _{x \rightarrow(5 / 2)} \frac{10 x^{2}-31 x+15}{|2 x-5|} & \text { Math@MUT}
\end{array}\right],
\end{aligned}
$$
\]

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 1} 3 x^{2}+2 x+4 & .2=\lim _{x \rightarrow 3}(x-4)\left(x^{2}-1\right) & .3=\lim _{x \rightarrow 4} \frac{2 x^{2}+4 x}{5 x^{2}-x-1} \\
.4=\lim _{x \rightarrow 49} \frac{7-\sqrt{x}}{x-49} & .5=\lim _{x \rightarrow 1} \frac{2-\sqrt{x+3}}{1-x} & .6=\lim _{x \rightarrow 2} \sqrt{x-3} \\
.7=\lim _{x \rightarrow 1}|x+1| & .8=\lim _{x \rightarrow 3} \frac{3-x}{|x-3|} & .9=\lim _{x \rightarrow 2-} \frac{x-2}{\left|x^{2}-6 x+8\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{4}{x}-\frac{4}{|x|} & .11=\lim _{x \rightarrow(2 / 3)} \frac{|3 x-2|}{12 x^{2}+x-6} & \text { Math@MUT}
\end{array}\right], \\
& {\left[\mathrm{f}(x)=\left\{\begin{array}{cl}
\frac{2 x}{|x|} & x \neq 0 \\
2 & x=0
\end{array}, \mathrm{~g}(x)=3 x+1\right]\right.} \\
& \text { No02 }=\left[\left[\left[\begin{array}{ccc}
.3 .1=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0-} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \mathrm{~g}(x)-\mathrm{f}(x) & \text { Math@MUT}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2-} \mathrm{f}(x)=\operatorname{ceil}(x) & .2=\lim _{x \rightarrow 2^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 2} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-2.9)-} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-2.9)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-2.9)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

[^1]\[

\left[\left[$$
\begin{array}{l}
P \\
V \\
S \\
S
\end{array}
$$\right]\right]
\]

$$
\begin{gathered}
\& \\
{\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right.}
\end{gathered}
$$

X [Page = 0009] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} 2 x^{2}+1 & .2=\lim _{x \rightarrow 1}(4 x-2)\left(3 x^{2}-x-1\right) & .3=\lim _{x \rightarrow 1} \frac{2 x-4}{5 x^{2}+3 x-3} \\
.4=\lim _{x \rightarrow 16} \frac{16-x}{\sqrt{x}-4} & .5=\lim _{x \rightarrow 17} \frac{17-x}{\sqrt{x-1}-4} & .6=\lim _{x \rightarrow 2} \sqrt{3-x} \\
.7=\lim _{x \rightarrow 3}|x-2| & .8=\lim _{x \rightarrow 3} \frac{|x-3|}{3-x} & .9=\lim _{x \rightarrow 4+} \frac{\left|x^{2}-6 x+8\right|}{x-4} \\
.10=\lim _{x \rightarrow 0-} \frac{5}{x}+\frac{5}{|x|} & .11=\lim _{x \rightarrow(4 / 3)} \frac{12 x^{2}-19 x+4}{|3 x-4|} & \text { Math@MUT}
\end{array}\right], \\
& {\left[\mathrm{f}(x)=4 x-1, \mathrm{~g}(x)=\left\{\begin{array}{cc}
\frac{3|x|}{x} & x \neq 0 \\
3 & x=0
\end{array}\right]\right.} \\
& \text { No02 }=\left[\left[\left[\begin{array}{ccc}
.3 .1=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0^{-}} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \mathrm{f}(x) \mathrm{g}(x) & \text { Math@MUT}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{lll}
. & \mathrm{f}(x)=\operatorname{ceil}(x) \\
.1=\lim _{x \rightarrow 3-} \mathrm{f}(x) & .2=\lim _{x \rightarrow 3+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 3} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-3.3)-} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-3.3)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-3.3)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$$
\left[\left[\begin{array}{l}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

\&

$$
\left.\left[\begin{array}{c}
c \\
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right]
$$

X [Page = 0010] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 1} 4 x^{2}+4 x+3 & .2=\lim _{x \rightarrow 1}\left(2 x^{3}+2 x-1\right)(x+2) & .3=\lim _{x \rightarrow 4} \frac{3 x+4}{5 x^{2}+3 x+1} \\
.4=\lim _{x \rightarrow 81} \frac{\sqrt{x}-9}{81-x} & .5=\lim _{x \rightarrow 21} \frac{\sqrt{x-5}-4}{21-x} & .6=\lim _{x \rightarrow 2} \sqrt{x-2} \\
.7=\lim _{x \rightarrow 2}|x+3| & .8=\lim _{x \rightarrow 1} \frac{x-1}{|x-1|} & .9=\lim _{x \rightarrow 1-} \frac{x-1}{\left|x^{2}-6 x+5\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{1}{x}+\frac{1}{|x|} & .11=\lim _{x \rightarrow(3 / 4)} \frac{|4 x-3|}{8 x^{2}-10 x+3} & \text { Math@MUT}
\end{array}\right], \\
& \left.\left.\left.\begin{array}{l}
{\left[\mathrm{f}(x)=\left\{\begin{array}{c}
\frac{4 x}{|x|} \quad x \neq 0, \mathrm{~g}(x)=4 x-5 \\
4
\end{array} \quad \begin{array}{l}
x=0
\end{array}\right]\right.} \\
\frac{\mathrm{f}(x)}{\mathrm{g}(x)} \quad .3 .5=\lim _{x \rightarrow 0-} \mathrm{f}(x)+\mathrm{g}(x) \quad \text { Math } @ M U T
\end{array}\right]\right]\right] . \\
& \text { No03 } \left.\left.=\left[\begin{array}{llll} 
& \mathrm{f}(x)=\operatorname{ceil}(x) \\
.1=\lim _{x \rightarrow 1^{-}} \mathrm{f}(x) & .2=\lim _{x \rightarrow 1^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 1} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-4.9)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-4.9)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-4.9)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$$
\text { No01 }=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} x^{2}-x+2 & .2=\lim _{x \rightarrow 3}\left(2 x^{2}-4 x+3\right)\left(5 x^{2}+4 x\right) & .3=\lim _{x \rightarrow 2} \frac{3 x+3}{4 x^{2}-3 x-1} \\
.4=\lim _{x \rightarrow 81} \frac{9-\sqrt{x}}{81-x} & .5=\lim _{x \rightarrow 4} \frac{x-4}{3-\sqrt{x+5}} & .6=\lim _{x \rightarrow 1} \sqrt{x-2} \\
.7=\lim _{x \rightarrow 3}|x-3| & .8=\lim _{x \rightarrow 3} \frac{x-3}{|x-3|} & .9=\lim _{x \rightarrow 1-} \frac{\left|x^{2}+3 x-4\right|}{x-1} \\
.10=\lim _{x \rightarrow 0-} \frac{1}{|x|}-\frac{1}{x} & .11=\lim _{x \rightarrow(2 / 5)} \frac{|5 x-2|}{5 x^{2}+18 x-8} & \text { Math@MUT}
\end{array}\right] \text {, }
$$



$$
\left[\begin{array}{c}
\& \\
{\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right.}
\end{array}\right.
$$

$$
\begin{aligned}
& {\left[\mathrm{f}(x)=4 x+1, \mathrm{~g}(x)=\left\{\begin{array}{cc}
\frac{|x|}{x} & x \neq 0 \\
1 & x=0
\end{array}\right]\right.} \\
& \text { No02 }=\left[\left[\left[\begin{array}{ccc}
.3 .1=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0-} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \frac{\mathrm{~g}(x)}{\mathrm{f}(x)} & \text { Math@MUT}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3-} \mathrm{f}(x)=\operatorname{floor}(x) & .2=\lim _{x \rightarrow 3+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 3} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-3.7)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-3.7)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-3.7)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

X [Page = 0011] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N 001=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} x^{3}-2 x^{2}-4 x+3 & .2=\lim _{x \rightarrow 2}(x+1)\left(2 x^{2}-3 x+2\right) & .3=\lim _{x \rightarrow 1} \frac{4 x^{2}-2 x-4}{3 x^{2}-2 x} \\
.4=\lim _{x \rightarrow 64} \frac{8-\sqrt{x}}{x-64} & .5=\lim _{x \rightarrow(-3)} \frac{x+3}{1-\sqrt{x+4}} & .6=\lim _{x \rightarrow 3} \sqrt{x-2} \\
.7=\lim _{x \rightarrow(-1)}|x+1| & .8=\lim _{x \rightarrow 2} \frac{|x-2|}{2-x} & .9=\lim _{x \rightarrow 5+} \frac{\left|x^{2}-25\right|}{x-5} \\
.10=\lim _{x \rightarrow 0+} \frac{1}{x}-\frac{1}{|x|} & .11=\lim _{x \rightarrow(2 / 5)} \frac{|5 x-2|}{20 x^{2}-13 x+2} & \text { Math@MUT}
\end{array}\right], \\
& \left.\begin{array}{l}
{\left[\mathrm{f}(x)=\left\{\begin{array}{c}
\frac{|x|}{x} \\
x \neq 0 \\
1
\end{array} \quad \begin{array}{c}
x=0
\end{array}, \mathrm{~g}(x)=2 x+1\right.\right.}
\end{array}\right] \quad \begin{array}{l}
x)+\mathrm{g}(x) \quad .3 .2=\lim _{x \rightarrow 0-} \mathrm{f}(x)-\mathrm{g}(x) \quad .3 .3=\lim _{x \rightarrow 0+} \mathrm{f}(x) \mathrm{g}(x) \\
\left.\left.\frac{\mathrm{f}(x)}{\mathrm{g}(x)} \quad .3 .5=\lim _{x \rightarrow 0} \mathrm{f}(x)-\mathrm{g}(x) \quad \text { Math@MUT}\right]\right]
\end{array} \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2-} \mathrm{f}(x)=\operatorname{ceil}(x) & .2=\lim _{x \rightarrow 2^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 2} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-2.4)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-2.4)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-2.4)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

X [Page = 0012] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\left[\left[\begin{array}{c}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

$$
\begin{gathered}
\& \\
{\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right.}
\end{gathered}
$$

X [Page = 0013] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 1} 5 x^{3}-2 x^{2}+4 x+3 & .2=\lim _{x \rightarrow 1}(x-2)\left(3 x^{2}-3 x+3\right) & .3=\lim _{x \rightarrow 2} \frac{4 x-3}{4 x^{2}+3 x} \\
.4=\lim _{x \rightarrow 16} \frac{x-16}{\sqrt{x}-4} & .5=\lim _{x \rightarrow 29} \frac{\sqrt{x-4}-5}{29-x} & .6=\lim _{x \rightarrow 3} \sqrt{1-x} \\
.7=\lim _{x \rightarrow 1}|x+2| & .8=\lim _{x \rightarrow 2} \frac{|x-2|}{x-2} & .9=\lim _{x \rightarrow 3+} \frac{\left|x^{2}-5 x+6\right|}{x-3} \\
.10=\lim _{x \rightarrow 0+} \frac{4}{|x|}-\frac{4}{x} & .11=\lim _{x \rightarrow(3 / 4)} \frac{20 x^{2}-7 x-6}{|4 x-3|} & \text { Math@MUT}
\end{array}\right], \\
& \text { No02 } \left.\left.=\left[\begin{array}{c}
{\left[\mathrm{f}(x)=\left\{\begin{array}{c}
\frac{4 x}{|x|} \\
4 \neq 0, \mathrm{~g}(x)=5 x-3 \\
4
\end{array} \quad \begin{array}{l}
x=0
\end{array}\right]\right.} \\
{\left[\left[\begin{array}{l}
.3 .1=\lim _{x \rightarrow 0^{-}} \mathrm{f}(x)+\mathrm{g}(x) \\
.3 .2=\lim _{x \rightarrow 0+} \mathrm{f}(x)-\mathrm{g}(x) \quad .3 .3=\lim _{x \rightarrow 0-} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0+} \frac{\mathrm{f}(x)}{\mathrm{g}(x)}
\end{array} \quad .3 .5=\lim _{x \rightarrow 0} \mathrm{~g}(x)-\mathrm{f}(x) \quad\right.\right. \text { Math@MUT}}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{lll} 
& \mathrm{f}(x)=\operatorname{ceil}(x) \\
.1=\lim _{x \rightarrow 2-} \mathrm{f}(x) & .2=\lim _{x \rightarrow 2^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 2} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-4.5)-} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-4.5)+} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-4.5)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$$
N 001=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} 4 x^{3}-4 x^{2}-2 x-1 & .2=\lim _{x \rightarrow 2}(5 x-1)\left(2 x^{3}-3 x^{2}+3 x\right) & .3=\lim _{x \rightarrow 2} \frac{4 x^{3}+3 x^{2}+2 x}{4 x-4} \\
.4=\lim _{x \rightarrow 25} \frac{5-\sqrt{x}}{x-25} & .5=\lim _{x \rightarrow 5} \frac{\sqrt{x-1}-2}{5-x} & .6=\lim _{x \rightarrow 2} \sqrt{x-2} \\
.7=\lim _{x \rightarrow 1}|x-2| & .8=\lim _{x \rightarrow 2} \frac{x-2}{|x-2|} & .9=\lim _{x \rightarrow 3-} \frac{\left|x^{2}-2 x-3\right|}{x-3} \\
.10=\lim _{x \rightarrow 0+} \frac{5}{|x|}-\frac{5}{x} & .11=\lim _{x \rightarrow(5 / 4)} \frac{|4 x-5|}{12 x^{2}-31 x+20} & \text { Math@,MUT}
\end{array}\right],
$$

$$
\begin{aligned}
& \left.\left.\left.\begin{array}{l}
{\left[\mathrm{f}(x)=5 x+1, \mathrm{~g}(x)=\left\{\begin{array}{cc}
\frac{4 x}{|x|} & x \neq 0 \\
4 & x=0
\end{array}\right]\right.} \\
\begin{array}{l}
\mathrm{g}(x) \quad .3 .2=\lim _{x \rightarrow 0-} \mathrm{f}(x)-\mathrm{g}(x) \\
\frac{\mathrm{f}(x)}{\mathrm{g}(x)}
\end{array} \quad .3 .3=\lim _{x \rightarrow 0+} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .5=\lim _{x \rightarrow 0} \frac{\mathrm{~g}(x)}{\mathrm{f}(x)}
\end{array}\right]\right] \text { Math@MUT}\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 4-} \mathrm{f}(x)=\operatorname{ceil}(x) & .2=\lim _{x \rightarrow 4+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 4} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-4.9)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-4.9)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-4.9)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

X [Page = 0014] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
N o 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 1} x^{3}+2 x^{2}-3 x-4 & .2=\lim _{x \rightarrow 2}(4 x+4)\left(5 x^{3}+4 x^{2}\right) & .3=\lim _{x \rightarrow 4} \frac{x^{3}-4}{x-4} \\
.4=\lim _{x \rightarrow 25} \frac{5-\sqrt{x}}{x-25} & .5=\lim _{x \rightarrow 6} \frac{\sqrt{x-5}-1}{x-6} & .6=\lim _{x \rightarrow 2} \sqrt{1-x} \\
.7=\lim _{x \rightarrow(-2)}|x+3| & .8=\lim _{x \rightarrow 3} \frac{3-x}{|x-3|} & .9=\lim _{x \rightarrow 2+} \frac{x-2}{\left|x^{2}+2 x-8\right|} \\
.10=\lim _{x \rightarrow 0-} \frac{4}{x}+\frac{4}{|x|} & .11=\lim _{x \rightarrow(4 / 3)} \frac{|3 x-4|}{15 x^{2}-11 x-12} & \text { Math@MUT}
\end{array}\right],
$$


\&

$$
\begin{aligned}
& {\left[\mathrm{f}(x)=\left\{\begin{array}{cl}
\frac{4|x|}{x} & x \neq 0 \\
4 & x=0
\end{array}, \mathrm{~g}(x)=4 x+2\right]\right.} \\
& \text { No02 }=\left[\left[\left[\begin{array}{ccc}
.3 .1=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0-} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0+} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \mathrm{~g}(x)-\mathrm{f}(x) & \text { Math@MUT}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{lll}
. & \mathrm{f}(x)=\operatorname{ceil}(x) \\
.1=\lim _{x \rightarrow 1-} \mathrm{f}(x) & .2=\lim _{x \rightarrow 1+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 1} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-2.6)-} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-2.6)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-2.6)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

X [Page = 0015] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} x^{2}-1 & .2=\lim _{x \rightarrow 1}(5 x-3)\left(4 x^{2}+2 x+3\right) & .3=\lim _{x \rightarrow 2} \frac{4 x-4}{5 x^{3}-4 x^{2}-2} \\
.4=\lim _{x \rightarrow 100} \frac{100-x}{10-\sqrt{x}} & .5=\lim _{x \rightarrow 14} \frac{x-14}{\sqrt{x-5}-3} & .6=\lim _{x \rightarrow 3} \sqrt{x-3} \\
.7=\lim _{x \rightarrow 2}|x-3| & .8=\lim _{x \rightarrow 1} \frac{|x-1|}{x-1} & .9=\lim _{x \rightarrow 1-} \frac{x-1}{\left|x^{2}+4 x-5\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{2}{|x|}-\frac{2}{x} & .11=\lim _{x \rightarrow(1 / 6)} \frac{30 x^{2}-29 x+4}{|6 x-1|} & \text { Math@MUT}
\end{array}\right], \\
& \text { No02 }=\left[\begin{array}{c}
{\left[f(x)=x-2, \mathrm{~g}(x)=\left\{\begin{array}{cc}
\frac{2|x|}{x} & x \neq 0 \\
2 & x=0
\end{array}\right]\right.} \\
{\left[\left[\begin{array}{l}
.3 .1=\lim _{x \rightarrow 0^{-}} \mathrm{f}(x)+\mathrm{g}(x) \\
.3 .2=\lim _{x \rightarrow 0-} \mathrm{f}(x)-\mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0+} \frac{\mathrm{f}(x)}{\mathrm{g}(x)}
\end{array}\right] \quad .3 .5=\lim _{x \rightarrow 0+} \mathrm{f}(x) \mathrm{g}(x) \mathrm{g}(x)\right.} \\
{\left[\begin{array}{l}
\text { (x) }
\end{array}\right]}
\end{array}\right] \\
& \text { No03 } \left.\left.=\left[\begin{array}{llll} 
& \mathrm{f}(x)=\operatorname{ceil}(x) \\
. & .2=\lim _{x \rightarrow 5+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 5} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-1.9)-} \mathrm{f}(x) & \mathrm{f}(x) & .5=\lim _{x \rightarrow(-1.9)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-1.9)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$$
\left[\left[\begin{array}{c}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

$$
\begin{gathered}
\& \\
{[[M\rceil]}
\end{gathered}
$$

$$
\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right]
$$

[^2]\[

$$
\begin{aligned}
& N o 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2} 4 x^{3}+x & .2=\lim _{x \rightarrow 1}(x-4)\left(5 x^{2}-1\right) & .3=\lim _{x \rightarrow 3} \frac{5 x^{2}+2 x}{3 x^{2}-3} \\
.4=\lim _{x \rightarrow 1} \frac{1-x}{\sqrt{x}-1} & .5=\lim _{x \rightarrow 22} \frac{5-\sqrt{x+3}}{x-22} & .6=\lim _{x \rightarrow 1} \sqrt{2-x} \\
.7=\lim _{x \rightarrow(-1)}|x-1| & .8=\lim _{x \rightarrow 3} \frac{|x-3|}{3-x} & .9=\lim _{x \rightarrow 1+} \frac{\left|x^{2}-5 x+4\right|}{x-1} \\
.10=\lim _{x \rightarrow 0+} \frac{1}{x}-\frac{1}{|x|} .11=\lim _{x \rightarrow(5 / 4)} \frac{20 x^{2}-9 x-20}{|4 x-5|} & \text { Math@MUT}
\end{array}\right],
\end{aligned}
$$
\]

$$
\left[\left[\begin{array}{c}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

\&

$$
\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right]
$$

X [Page = 0018] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N O 1=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 1} 2 x^{3}+4 x^{2}-4 x-2 & .2=\lim _{x \rightarrow 3}(x-4)\left(5 x^{3}-4 x^{2}-4\right) & .3=\lim _{x \rightarrow 2} \frac{x^{3}-4 x^{2}-3 x}{5 x-4} \\
.4=\lim _{x \rightarrow 100} \frac{x-100}{10-\sqrt{x}} & .5=\lim _{x \rightarrow 21} \frac{\sqrt{x-5}-4}{21-x} & .6=\lim _{x \rightarrow 3} \sqrt{3-x} \\
.7=\lim _{x \rightarrow(-3)}|x-3| & .8=\lim _{x \rightarrow 2} \frac{|x-2|}{x-2} & .9=\lim _{x \rightarrow 5+} \frac{x-5}{\left|x^{2}-25\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{5}{x}-\frac{5}{|x|} & .11=\lim _{x \rightarrow(2 / 3)} \frac{6 x^{2}+11 x-10}{|3 x-2|} & \text { Math@MUT}
\end{array}\right], \\
& \text { No02 } \left.=\left[\begin{array}{c}
{\left[\mathrm{f}(x)=3 x-4, \mathrm{~g}(x)=\left\{\begin{array}{cc}
\frac{3|x|}{x} & x \neq 0 \\
3 & x=0
\end{array}\right]\right.} \\
{\left[\left[\begin{array}{ll}
.3 .1=\lim _{x \rightarrow 0^{-}} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0+} \mathrm{f}(x)-\mathrm{g}(x) \\
.3 .3=\lim _{x \rightarrow 0-} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0+} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \mathrm{f}(x)+\mathrm{g}(x)
\end{array}\right]\right.}
\end{array}\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 4-} \mathrm{f}(x)=\mathrm{floor}(x) \\
.4=\lim _{x \rightarrow(-2.1)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow 4+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 4} \mathrm{f}(x) \\
\mathrm{lim}(x) & .6=\lim _{x \rightarrow(-2.1)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$$
\begin{aligned}
& N O 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2} 2 x^{3}+3 x^{2}+1 & .2=\lim _{x \rightarrow 3}\left(2 x^{2}+x+3\right)\left(x^{2}+3 x\right) & .3=\lim _{x \rightarrow 1} \frac{x+1}{2 x^{2}-2} \\
.4=\lim _{x \rightarrow 1} \frac{1-\sqrt{x}}{x-1} & .5=\lim _{x \rightarrow 23} \frac{x-23}{5-\sqrt{x+2}} & .6=\lim _{x \rightarrow 3} \sqrt{x-1} \\
.7=\lim _{x \rightarrow 1}|x+3| & .8=\lim _{x \rightarrow 2} \frac{2-x}{|x-2|} & .9=\lim _{x \rightarrow 1+} \frac{x-1}{\left|x^{2}+2 x-3\right|} \\
.10=\lim _{x \rightarrow 0+} \frac{4}{x}-\frac{4}{|x|} & .11=\lim _{x \rightarrow(3 / 5)} \frac{|5 x-3|}{15 x^{2}+11 x-12} & \text { Math@MUT}
\end{array}\right],
\end{aligned}
$$

$$
\begin{aligned}
& \text { No03 }=\left[\left[\left[\begin{array}{lll}
. & \mathrm{f}(x)=\operatorname{ceil}(x) \\
.1=\lim _{x \rightarrow 5-} \mathrm{f}(x) & .2=\lim _{x \rightarrow 5^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 5} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-2.6)-} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-2.6)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-2.6)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$\left.\begin{array}{c}{\left[\left[\begin{array}{c}P \\ V \\ S \\ S\end{array}\right]\right.}\end{array}\right]$

X [Page = 0019] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\left[\left[\begin{array}{c}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

$$
\&
$$

$$
\left[\left[\begin{array}{c}
a \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right]
$$

x [Page = 0020] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N 001=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} 2 x^{2}-2 x+2 & .2=\lim _{x \rightarrow 3}\left(x^{2}-1\right)\left(x^{2}+4 x-1\right) & .3=\lim _{x \rightarrow 1} \frac{4 x-4}{5 x^{2}-2 x+3} \\
.4=\lim _{x \rightarrow 64} \frac{64-x}{8-\sqrt{x}} & .5=\lim _{x \rightarrow 29} \frac{\sqrt{x-4}-5}{x-29} & .6=\lim _{x \rightarrow 1} \sqrt{2-x} \\
.7=\lim _{x \rightarrow 3}|x-2| & .8=\lim _{x \rightarrow 1} \frac{1-x}{|x-1|} & .9=\lim _{x \rightarrow 5+} \frac{\left|x^{2}-2 x-15\right|}{x-5} \\
.10=\lim _{x \rightarrow 0-} \frac{2}{|x|}-\frac{2}{x} & .11=\lim _{x \rightarrow(3 / 2)} \frac{|2 x-3|}{2 x^{2}+7 x-15} & \text { Math@MUT}
\end{array}\right],
\end{aligned}
$$

$$
\begin{aligned}
& \text { No03 }=\left[\left[\left[\begin{array}{lll}
. & \mathrm{f}(x)=\operatorname{ceil}(x) \\
.1=\lim _{x \rightarrow 5-} \mathrm{f}(x) & .2=\lim _{x \rightarrow 5^{+}} \mathrm{f}(x) & .3=\lim _{x \rightarrow 5} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-4.1)^{-}} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-4.1)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-4.1)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$$
\left[\left[\begin{array}{c}
P \\
V \\
S \\
S
\end{array}\right]\right]
$$

$$
\left[\begin{array}{c}
\& \\
{\left[\left[\begin{array}{c}
M \\
a \\
t \\
h \\
@ \\
M \\
U \\
T
\end{array}\right]\right.}
\end{array}\right]
$$

X [Page = 0021] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

$$
\begin{aligned}
& N o 01=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 2} 3 x^{2}-2 x-3 & .2=\lim _{x \rightarrow 3}\left(x^{2}-x+2\right)(2 x-4) & .3=\lim _{x \rightarrow 4} \frac{x^{3}-3 x^{2}-1}{4 x+4} \\
.4=\lim _{x \rightarrow 100} \frac{\sqrt{x}-10}{x-100} & .5=\lim _{x \rightarrow 13} \frac{4-\sqrt{x+3}}{13-x} & .6=\lim _{x \rightarrow 1} \sqrt{x-2} \\
.7=\lim _{x \rightarrow 2}|x-3| & .8=\lim _{x \rightarrow 3} \frac{|x-3|}{x-3} & .9=\lim _{x \rightarrow 2-} \frac{\left|x^{2}-6 x+8\right|}{x-2} \\
.10=\lim _{x \rightarrow 0-} \frac{3}{|x|}-\frac{3}{x} & .11=\lim _{x \rightarrow(1 / 3)} \frac{|3 x-1|}{6 x^{2}+13 x-5} & \text { Math@MUT}
\end{array}\right], \\
& \left.\left.\left.\begin{array}{l}
{\left[\mathrm{f}(x)=\left\{\begin{array}{c}
\frac{2|x|}{x} \\
2 \\
2 \neq 0, \\
x=0
\end{array}, \mathrm{~g}(x)=x-2\right.\right.}
\end{array}\right] \quad\left[\begin{array}{l}
{\left[\begin{array}{l}
.3 .1=\lim _{x \rightarrow 0-} \mathrm{f}(x)+\mathrm{g}(x) \\
.3 .2=\lim _{x \rightarrow 0+} \mathrm{f}(x)-\mathrm{g}(x) \quad .3 .3=\lim _{x \rightarrow 0-} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0+} \frac{\mathrm{f}(x)}{\mathrm{g}(x)}
\end{array} .3 .5=\lim _{x \rightarrow 0} \mathrm{f}(x)-\mathrm{g}(x) \quad\right. \text { Math@MUT}}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 5} \mathrm{f}(x)=\mathrm{floor}(x) \\
.2=\lim _{x \rightarrow 5+} \mathrm{f}(x) & .3=\lim _{x \rightarrow 5} \mathrm{f}(x) \\
.4=\lim _{x \rightarrow(-3.1)-} \mathrm{f}(x) & .5=\lim _{x \rightarrow(-3.1)^{+}} \mathrm{f}(x) & .6=\lim _{x \rightarrow(-3.1)} \mathrm{f}(x)
\end{array}\right]\right]\right]
\end{aligned}
$$

$$
\begin{aligned}
& N O 1=\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 3} 4 x^{2}+4 & .2=\lim _{x \rightarrow 1}\left(3 x^{2}+4 x-2\right)(5 x-2) & .3=\lim _{x \rightarrow 2} \frac{2 x^{2}+4}{x^{2}-4 x-2} \\
.4=\lim _{x \rightarrow 25} \frac{5-\sqrt{x}}{25-x} & .5=\lim _{x \rightarrow 9} \frac{\sqrt{x-5}-2}{x-9} & .6=\lim _{x \rightarrow 1} \sqrt{3-x} \\
.7=\lim _{x \rightarrow 1}|x+1| & .8=\lim _{x \rightarrow 1} \frac{|x-1|}{1-x} & .9=\lim _{x \rightarrow 4+} \frac{\left|x^{2}-5 x+4\right|}{x-4} \\
.10=\lim _{x \rightarrow 0-} \frac{4}{x}+\frac{4}{|x|} & .11=\lim _{x \rightarrow(4 / 3)} \frac{|3 x-4|}{6 x^{2}-5 x-4} & \text { Math@MUT}
\end{array}\right], \\
& {\left[\mathrm{f}(x)=2 x+3, \mathrm{~g}(x)=\left\{\begin{array}{cc}
\frac{5 x}{|x|} & x \neq 0 \\
5 & x=0
\end{array}\right]\right.} \\
& \text { No02 }=\left[\left[\left[\begin{array}{ccc}
.3 .1=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)+\mathrm{g}(x) & .3 .2=\lim _{x \rightarrow 0^{+}} \mathrm{f}(x)-\mathrm{g}(x) & .3 .3=\lim _{x \rightarrow 0-} \mathrm{f}(x) \mathrm{g}(x) \\
.3 .4=\lim _{x \rightarrow 0-} \frac{\mathrm{f}(x)}{\mathrm{g}(x)} & .3 .5=\lim _{x \rightarrow 0} \mathrm{f}(x)+\mathrm{g}(x) & \text { Math@MUT}
\end{array}\right]\right]\right] \\
& \text { No03 }=\left[\left[\left[\begin{array}{ccc}
.1=\lim _{x \rightarrow 4-} \mathrm{f}(x)=\mathrm{floor}(x) \\
.4=\lim _{x \rightarrow(-5.8)-} & \mathrm{f}(x) & .5=\lim _{x \rightarrow 4+} \mathrm{f}(x)
\end{array} \quad .3=\lim _{x \rightarrow 4} \mathrm{f}(x) \mathrm{f}(x .8)+\mathrm{f}(x) \quad .6=\lim _{x \rightarrow(-5.8)} \mathrm{f}(x)\right]\right]\right]
\end{aligned}
$$

[^3]
##  [ $>$


[^0]:    X [Page $=0007]$ XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^1]:    X [Page = 0008] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^2]:    X [Page = 0017] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

[^3]:    X [Page = 0022] XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

