Example Compute
$\lim_{X \to 3} \frac{X^2 + 6x - 5}{X - 3}$
Solution Note that when
X ≠ 3, we may write:
$\frac{\chi^{2}+6\chi-5}{\chi^{2}+6\chi-5}=(\chi-3)(ANS)$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$
<u> </u>
= [ANS]
Since the definition of a
WC continuity X = 3, the limit exists
TWO CONTINUES OF THE MAN CANALLY
$\lim_{x \to 3} \frac{x^2 + 6x - 5}{x - 3} = \lim_{x \to 3} \left[ ANS \right]$
X→3 X→3 X→3
=[ANS]