## Lecture 12 Worksheet (ECON211), AY 2025-26 [Date: 14 Aug 2025]

	Lecture 12 Worksheet (Lecon211), At 2023-20 [Date. 14 Aug 2023]
1. Compute: $\lim_{x\to 1}$	$x^2 - 3x + 5$
$x \to 1$	x-2
2. Let $f(x) = \begin{cases} x + \\ 2 \end{cases}$	$3  x \neq 1$
(2	x = 1
Compute $\lim_{x \to 1} f(x)$	;).
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3. Find the derivative of $f(x) = x^2 + 1$ .	
Find the average rate of change in the unit price of a cricket bat if the quantity demanded is between 5 and 6 cricket and between 5 and 10 cricket bats. What is the instantaneous rate of change of the unit price when the quantity dema is 50 cricket bats?	