	Assismment - I
	7-15513mm(n+ 1
<u>a</u>	1D Steady - State Conduction
	STATE CONDUCTION
	apposal Toursport agrecation is;
	$\partial \sigma + (U.\nabla)\sigma = \nabla (T.\nabla)\sigma + S$
	3t
	Here dø is time related term,
•	0t
	(U. T) & is Conduction term,
	V(T. 7) & is Differsion term,
2	S is Source term,
024	The way to the state of the sta
2024/02/01 09:18	For 1-D Steady State Conduction,
01 0	
9:18	V(T. V) & cuill not be zero, cehere there
	is no source term so it will be 7000
	and Conduction cuil also be zero.
0	
	Also ar cool assiming I as constant.
٦	- (3 13- 13-1 -3
, .	$\frac{7}{5} \left( \frac{3}{5} + \frac{7}{5} + \frac{7}{5} + \frac{7}{5} \right) = 0$
	92, 94, 05
	But as col cool taking 1-D only, a team
	is there and y and ? core zero.
	· · · · · · · · · · · · · · · · · · ·
	(32)

Vision

