$y^{l} \Rightarrow$ the slope

y^{l} the slope is Given

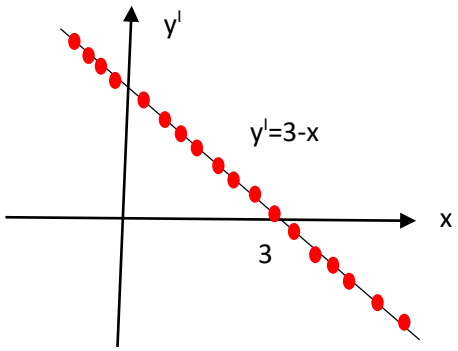
$y^{l} = 3 - x$

Extreme points $y^{l} = 0$

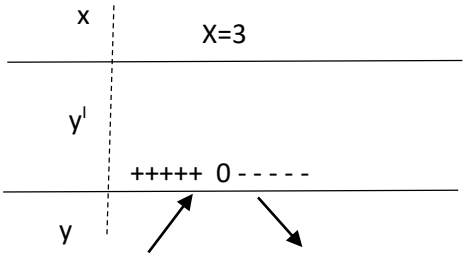
$3 - x = 0$

$X = 3$

For each $x = x_1$, you have another slope



$x < 3$	when $x > 3$
$y^{l} > 0$	$y^{l} < 0$



Max $(3 , y_1)$

$y^{l} = 3 - x$, Given $y(0) = 0$

$y = 3x - \frac{x^2}{2}$

$(3 , 4\frac{1}{2})$ Max