Wa	hrung
	To apply FTC, it is crucial that f is continuous.
<u>₽.g</u> .	$\int_{\chi^{2}}^{1} d\chi \qquad \int_{\chi^{2}}^{1} is not continuous at 0.$
	if we apply -1 1
FTC, -	
-1 -1	$\frac{dx = \left(-\frac{1}{x}\right)^{2} = \left(-1\right) - \left(-\frac{1}{x}\right)^{2} = -1 - 1 = -2 \text{Negative}$ Anea! Absurd.
State [T/F]	Let $F(x) = -\frac{10}{x-2}$, and $f(x) = \frac{1}{(x-2)^2}$. Since $F'(x) = f(x)$, by FTC we have $\int f(x) dx = F(3) - F(1) = -2$.
Ans:	False. f is not a continuous at $x = 2$.