1.	$x(t) = \int A  o < t < \gamma$
	0 γ< t <t< th=""></t<>
	junt
	C. 上「Trans-junt de 」「TAD-j(中)nt の T T t
	$=\frac{1}{T}A\frac{T}{-2\pi in}e^{-j\frac{2\pi T}{T}t}$
	$=-\frac{A}{2n\pi i}\left(\begin{array}{cc} -j\frac{2n\pi}{\tau} \\ 0 \end{array}\right)$
	$ \frac{1}{z} A \frac{T}{-2\pi j n} e^{-j\frac{2nT}{T}t} \int_{0}^{\infty} $ $ = -\frac{A}{2n\pi j} \left(e^{-j\frac{2nT}{T}t} - 1\right) $ $ \frac{A}{z} \times X(t) = \int_{0}^{\infty} \frac{A}{j2n\pi} \left(e^{-j\frac{2nT}{T}t} - 1\right) e^{j\frac{2nT}{T}t} $
2.	No the signal does not have finite power.
	No, the signal does not have finite power: Energy = $\int_{-\infty}^{\infty}  x(t) ^2 dt$ where $x(t) = \begin{cases} A & 0 < t < T \end{cases}$
	For one period: $E_x = \int_0^T  X(t) ^2 dt = \int_0^T  A ^2 dt + \int_T^T  a ^2 dt = A^2 t$ .
	one roul $F_{-} = \int_{-\infty}^{\infty}  x(t) ^2 dt \rightarrow \infty$
	However, $x(t)$ is a continous periodic function, therefore, the energy $E_x = \int_{-\infty}^{\infty}  x(t) ^2 dt \rightarrow \infty$ .  Power = $\lim_{t \to \infty} \int_{-\frac{T}{2}}^{\frac{T}{2}}  x(t) ^2 dt$ $P_x = \lim_{t \to \infty} \int_{0}^{T}  x(t) ^2 dt$
	$= \lim_{t \to \infty} \frac{1}{T} \left( \int_0^T A^2 dt + \int_0^T O^2 dt \right)$
	= lim A T
	. I think the power is finite, as the result shows that
	the power is a fraction of A <sup>2</sup> , depending on the
	duty cycle $(0 \le \frac{\tau}{\tau} \le 1)$ .
.,	and age to the terminal and the second secon
3	$Sinc(t) * sinc(t) = \frac{\sin(t)}{t} * \frac{\sin(t)}{t} = \left(\int_{-\infty}^{\infty} \frac{\sin(t)}{t} e^{-j\frac{2\pi t}{t}} dt\right) \cdot \left(\int_{-\infty}^{\infty} \frac{\sin(t)}{t} e^{-j\frac{2\pi t}{t}} dt\right)$
	$= \left( \int_{-\infty}^{\infty} \frac{\sin(t)}{t} e^{-j\frac{2\pi}{12}t} dt \right)^{2}$
	1/200
	$= rect(w) \cdot rect(w)$ $= sin((t))$
	= \frac{\sqrt{m}(\cdot{\cdot})}{\sqrt{\cdot}}