	AV314 - Assignment 4 Out: 10 08 2018
	Due: 17 08 2018
	Fourier transforms.
	Suppose X(E) is defined as
	$\chi(t) = \begin{cases} \cos(2\pi\hbar bt), & \sin(0) \le t \le m/6, & m \in \mathbb{Z}_+ \end{cases}$ $0, & \cos(2\pi\hbar bt), & \cos(2\pi\hbar bt$
	lor other values of to
	Find out X(f) - Which is the Fourier transform of x(t).
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2	Shedy the Fourier transform properties listed below from the tenthook. Derive each
	property
	a) Line eqity
	b) Time delay
	c) Conjugate symmetry of the X(f) of a real valued signal x(t) d) Parseval's identity
	e) Convolution in time corresponds to multiplications in frequency.
(3)	Problem 2.4. 7
(H)	Parblem 2.5. I from the teatbook by Upamanyu Madhow
(5)	Problem 2.6.
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