

EE351 Homework 2

(1) Determine whether the following signals are energy signals, power signals, or neither:

(a) $x(t) = 5e^{-t}u(t)$

(b) $x(t) = 10\cos(2t)$

(c) $x(t) = t^2u(t)$

(d) $x(t) = 2e^{-|t|}$

(e) $x(t) = 8e^{jt}$

Answer:

(a)	(b)	(c)	(d)	(e)

(2) Determine the power of the periodic signal $x(t)$ shown below.

