INEL 4075 Asignacion #7:   Semana de lunes 6 de mayo de 2013.
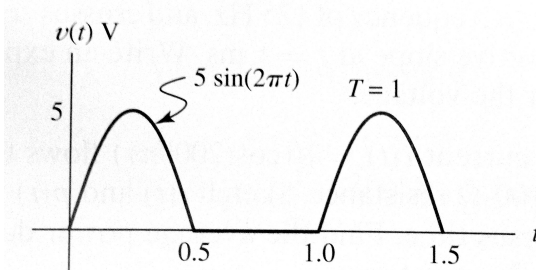
Nombre:_____   Sección:_____

1.

Calculate the rms value of the half-wave recti-
fied sine wave shown in Figure P5.12.

Figure P5.12

2.

A balanced wye-connected three-phase source
has line-to-neutral voltages of 240 V rms. Find
the rms line-to-line voltage. This source is ap-
plied to a delta-connected load, each arm of
which consists of a 10-Ω resistance in parallel
with a $+j5$-Ω reactance. Determine the rms
line current magnitude, the power factor, and
the total power delivered.

3. A delta-connected load has an impedance of 25 Ohms. What is the impedance of an equivalent wye-connected load?