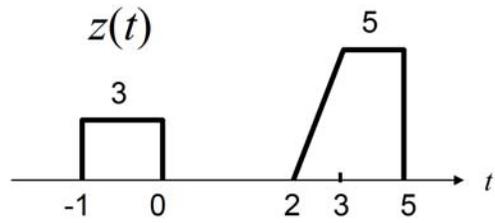


Name: \_\_\_\_\_

**EE322 Fall 2008 Quiz 04**

1. Given  $h(t)$  shown to the right, plot  $\frac{1}{3}z(-2t+3)$ .



2. Calculate the energy in  $x[n] = 2 \text{ rect}_2[n]$ .

3. Calculate the average power in  $x(t)=5 \cos(2\pi 20t+\pi/3)$ .

4. if  $x[n] = \text{ramp}[n-2]$ , sketch a plot of  $x[n/5]$ .

Bonus: What two countries fought the Battle of Tsushima Strait in 1905, and who won?