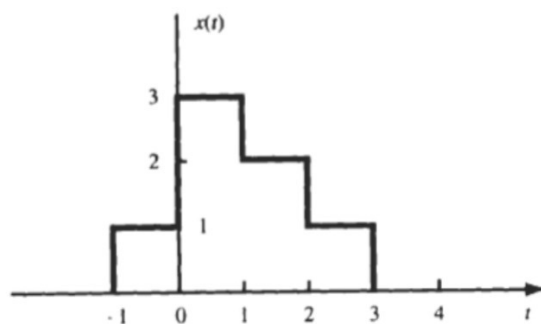1. (20 points)
Consider the following signal

- [5! points] Express the above signal in terms of rectangle functions.

- [5! points] Let $y(t) = x(t/4 + 8)$. Is $y(t)$ a power signal? Is $y(t)$ an energy signal? Justify your answer.

- [10 points] Carefully sketch the even component of $y(t) = x(t+2)$.