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Clearly  $y(t) = x(t)u_{-1}(t) = y(t - t_0) = x(t - t_0)u_{-1}(t - t_0)$   
However, the response of the system to  $x(t - t_0)$  is  $z(t) = x(t - t_0)$   
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Chapter 2 Problem 2.1 1.  $(2t+5)^2 = 2t^2 + 5^2$ . This indicates  
first we have to plot  $(2t)$  and then shift it to left by  $5^2$ . A plot is  
shown below:  $-11 \leq t \leq -9$   $4 \leq t \leq 2$ .  $P_n = 0$   $(t - n)$  is a  
sum of shifted triangular pulses. Note that the sum of the left and  
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