$$1 \cdot y(+) = \begin{cases} 1 & x(+) > 0 \\ 0 & x(+) \leq 0 \end{cases}$$

2. 
$$y(t) = \begin{cases} \frac{x(t)}{|x(t)|} & x(t) \neq 0 \\ 0 & x(t) = 0 \end{cases}$$

3. 
$$y(t) = \begin{cases} \frac{x^{2}(t)}{|x(t)|} & x(t) \neq 0 \\ 0 & x(t) = 0 \end{cases}$$

4. 
$$y(t) = e^{-t} \times (t)$$

5. 
$$y(t) = x(t) \cdot u(t)$$

$$u(t) = \begin{cases} 1 & t \approx \\ 0 & t < 0 \end{cases}$$

6. 
$$y(t) = \begin{cases} \frac{1}{1+}x(t) & t > 0 \\ x(t) & t < 0 \\ 0 & t = 0 \end{cases}$$

$$A(+) = \begin{cases} 0 & \times, (+) = 0 \\ \frac{\times, (+)}{\times_{S}(+)} & \times, (+) \neq 0 \end{cases}$$

1. 
$$y(t) = x(-t)$$
  
2.  $y(t) = x(+) \cdot u(t)$   
3.  $y(t) = (x(r))dr$   
3.  $y(t) = -\infty$