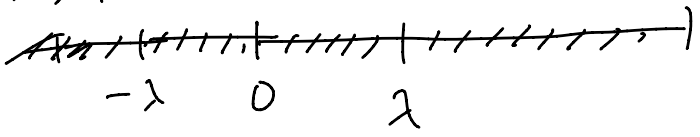


16, $\text{sign}(x)(|x| - \lambda)_+$



$x \geq \lambda$ or $x \leq -\lambda$.

$\text{sign}(x) = 1, (|x| - \lambda)_+ = x - \lambda$

$0 \leq x \leq \lambda$ or $x \leq 0$.

$\text{sign}(x) = 1, (|x| - \lambda)_+ = 0$

$-\lambda \leq x \leq 0$ or $x \geq 0$

$\text{sign}(x) = -1, (|x| - \lambda)_+ = 0$

$x \leq -\lambda$ or $x \geq 0$.

$\text{sign}(x) = -1, (|x| - \lambda)_+ = -x - \lambda$

2.11,

$$\text{sign}(x)(|x| - \lambda)_+ = \begin{cases} x - \lambda & (x > \lambda) \\ 0 & (|x| \leq \lambda) \\ -x - \lambda & (x < -\lambda) \end{cases}$$