



$$\begin{aligned}
\text{---} \quad \psi(x) &= \begin{cases} 1 & 0 < x \\ -1 & x < 0 \end{cases} \\
\text{---} \quad S_1(x) &= \frac{4 \sin(x)}{\pi} \\
\text{---} \quad S_2(x) &= \frac{4 \left(\sin(x) + \frac{1}{3} \sin(3x) \right)}{\pi} \\
\text{---} \quad S_3(x) &= \frac{4 \left(\sin(x) + \frac{1}{3} \sin(3x) + \frac{1}{5} \sin(5x) + \frac{1}{7} \sin(7x) \right)}{\pi} \\
\text{---} \quad S_4(x) &= \frac{4 \left(\sin(x) + \frac{1}{3} \sin(3x) + \frac{1}{5} \sin(5x) + \frac{1}{7} \sin(7x) \right)}{\pi}
\end{aligned}$$