$$\frac{196}{n=0}$$
  $\times (nr) = \frac{8}{5} S[5-3n]e^{-jnn} + \frac{8}{5} S[5+3n]e^{-jnn}$ ,  $5-3n=0$   $5+3n=0$   
 $n=\frac{5}{3}$   $n=-\frac{5}{3}$   $n=-\frac{5}{3}$   $n+\frac{5}{3} = 0$ 

$$\frac{2-)a}{}$$
  $\times (x) = 3\cos(3x) = \frac{3}{2}(e^{3ix} + e^{3ix})$ ,  $S[x-n, 1] \leftarrow e^{ixn}$ 

$$\frac{276)}{1-ae^{500}} \stackrel{?}{=} \frac{1}{1-ae^{500}} \stackrel{?}{=} \frac{1}{1-ae^{500}}$$

$$X(w) = X_1(w) + X_2(w)$$

$$X_1(w) = 0,75e^{-36w} \cdot \frac{\sin(3,5x)}{\sin(0,5x)} \Rightarrow x_1(x_1) = \begin{cases} 0,75, & \ln-61 \\ 0,75 \end{cases}$$

$$\frac{\sin(0,5x_1)}{\sin(0,5x_1)} = \begin{cases} 0,75, & \ln-61 \\ 0,75 \end{cases}$$

$$\times_{2}(x) = e^{-j12x} \frac{1}{1-95e^{5xx}} = \times_{2}[n] = 0,5^{-12} \cup [n-12] , \times [n] = \times_{n}[n] + \times_{2}[n]$$