

 $\begin{array}{c|c}
 & j60 \Omega \\
\hline
4/\Omega^{\circ} A \\
\hline
\end{array}$ $\begin{array}{c|c}
 & 50 \Omega \\
\hline
\end{array}$ $\begin{array}{c|c}
 & -j100 \Omega \\
\hline
\end{array}$ $\begin{array}{c|c}
 & D \\
\hline
\end{array}$

$$\overline{I}_{N} = 4 \angle 0^{\circ} \left(\frac{50}{50 + 30 + 30} \right)$$

$$= 2 \angle -56.87^{\circ}$$

$$= 100 - 550 = 100 \angle -26.56$$

= -23 + j15-38

 $x = \frac{0x}{x}$