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We have:
$$7c = \frac{-j}{WC} = \frac{-j}{500 \times 10 \times 10^{-6}} = -200; (2)$$

=)
$$i(t) = \frac{g_{(t)}}{Z_{total}} = \frac{10/30^{\circ}}{220 + j300} = 0.024 - j0.011(A)$$

= $0.027 = -53.75^{\circ}$

$$\left(\begin{array}{c} i(t) = \frac{10 \sqrt{30^{\circ}}}{220 + j300} = \frac{10 \sqrt{30^{\circ}}}{372.02 \sqrt{53.75^{\circ}}} = 0.027 \sqrt{-23.75^{\circ}} \\ \end{array}\right)$$

$$= 0.027 = 0.011 (A)$$

$$= 0.027 = 3.75^{\circ} (A)$$