

$$-i_1 = \boxed{I} \left(-\frac{\boxed{B}}{\boxed{N}} \right) \frac{\boxed{N}}{\boxed{B}^2} = -\frac{\boxed{I}}{\boxed{B}}$$

$$i_1 = \frac{\boxed{I}}{\boxed{B}} = 7.3 \angle -45.6^\circ \rightarrow \boxed{G}$$

$$v_1 - i_1(j4) = i_3(4040)$$

$$\frac{\boxed{H} - \boxed{G}(j4)}{\boxed{B}} = i_3 = 6.9 \angle 47.4^\circ \rightarrow \boxed{E}$$

$$I_1 = 10.3 \angle 91.1^\circ$$