## 61 2H, 2016, DEC. 1, 13:45

ALABIN ALLANDOSULT ALLAPOTH AC ARAME"REEN A FOMPLEX AMPLITUAGE A FERRICATION TOTAL SECTOR HATOROSSA MEG AS ICE) AZ IDSTARTOMANYBAN.

$$\begin{array}{c|c}
 & \downarrow i(t) \\
 & \downarrow v_{c} \\
 & \downarrow v_{c$$

$$U_{e}(t) = 10\sqrt{2} \cos(\omega t - 45^{\circ}) V$$

$$f = 50 H_{2}$$

MEGOLDAS:

GERDENTER EMPLEX AMPLITUDODA: VG = 10 [-450 V

$$V_{G} = 10 \left[ -45^{\circ} \right] V_{G}$$

 $\Rightarrow = 1/36/-66/00$ 

$$2p\|2c = 10\|(-j14,47) = \frac{10(-j14,47)}{10-j14,47} = 8,22[-34,7] = 6,76-j4,682$$

FEREUTIFE OF TO:

$$V_{c} = \frac{2\rho \, || z_{c}}{z_{c} + z_{c} \, || z_{c}} V_{6} = \frac{8_{1} z_{2} \left[ -34_{1} z^{2} \right]}{\frac{1}{7}_{1} 54_{1} + 6_{1} 76_{1} - \frac{1}{9}_{1} 4_{1} 68_{2}} 10 \left[ -45^{2} \right] = 11_{1} 2 \left[ -102_{1} 6^{0} \right] V_{6}$$

$$I = \frac{V_c}{2c} = \frac{11.2 - 1026^\circ}{14.47 (-90^\circ)} = 0.77 - 12.6^\circ$$

$$i(t) = 0,79 / 2 \cos(314t - 12,6°) = 1,09 \cos(314t - 12,6°) A$$

ELCENDERS (NEM VOLT FEL ADAT)

$$I = 0.17 - 12.6^{\circ} = 0.75 - 10.17 A$$

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$$I_{R} = \frac{V_{C}}{R} = 1.12 - 10.26^{\circ} = -0.24 - 10.9 A$$

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$$= 6.76 + 1.2.66 = 7.34 - 12.9^{\circ} D$$

$$= 6.76 + 1.2.66 = 7.34 - 12.9^{\circ} D$$

$$= 1.36 -$$