

ΕΝΔΕΙΚΤΙΚΕΣ ΑΠΑΝΤΗΣΕΙΣ

ΘΕΜΑ 2°

2.1

$$I_o = 10\sqrt{2}A \text{ και } I_{\text{εν}} = \frac{I_o}{\sqrt{2}} = \frac{10\sqrt{2}}{\sqrt{2}} = 10A$$

2.2

$$\omega = 314\text{rad/sec}$$

2.3

$$\omega = 2 * \pi * f \Rightarrow f = \frac{\omega}{2 * \pi} \Rightarrow f = \frac{314}{2 * 3,14} \Rightarrow f = 50\text{Hz}$$

2.4

$$T = \frac{1}{f} \Rightarrow T = \frac{1}{50} \Rightarrow T = 0,02\text{sec}$$

2.5

$$\varphi_o = +30^\circ$$