

ΕΝΔΕΙΚΤΙΚΕΣ ΑΠΑΝΤΗΣΕΙΣ

ΘΕΜΑ 2°

2.1

$$I_o = 20\text{A και } I_{\text{εν}} = \frac{I_o}{\sqrt{2}} = \frac{20}{\sqrt{2}}\text{A}$$

2.2

$$\omega = 3,14 \text{ rad/sec}$$

2.3

$$\omega = 2 * \pi * f \Rightarrow f = \frac{\omega}{2 * \pi} \Rightarrow f = \frac{3,14}{2 * 3,14} \Rightarrow f = 0,5\text{Hz}$$

2.4

$$T = \frac{1}{f} \Rightarrow T = \frac{1}{0,5} \Rightarrow T = 2\text{sec}$$

2.5

$$\varphi = +90^\circ$$