

Β ΛΥΚΕΙΟΥ ΑΛΓΕΒΡΑ

16.4 1)

$$\alpha) \quad \sigma\varphi x = \sigma\varphi \frac{\pi}{6} \Rightarrow x = \kappa\pi + \frac{\pi}{6}, \quad \kappa \in \mathbb{Z}$$

$$\beta) \quad \sigma\varphi x = \sigma\varphi \left(\frac{\pi}{3} - 5y \right) \Rightarrow x = \kappa\pi + \frac{\pi}{3} - 5y, \quad \kappa \in \mathbb{Z}$$

16.4 2)

$$\sigma\varphi x = \sigma\varphi \frac{\pi}{2} \Rightarrow x = \kappa\pi + \frac{\pi}{2}, \quad \kappa \in \mathbb{Z}$$

16.4 3)

$$\sigma\varphi x = \sigma\varphi \frac{\pi}{3} \Rightarrow x = \kappa\pi + \frac{\pi}{3}, \quad \kappa \in \mathbb{Z}$$

16.4 4)

$$\sigma\varphi x = \sigma\varphi \left(\alpha + \frac{\pi}{6} \right) \Rightarrow x = \kappa\pi + \alpha + \frac{\pi}{6}, \quad \kappa \in \mathbb{Z}$$

16.4 5)

$$\sigma\varphi x = \sigma\varphi \frac{\pi}{4} \Rightarrow x = \kappa\pi + \frac{\pi}{4}, \quad \kappa \in \mathbb{Z}$$

16.4 6)

$$\sigma\varphi x = \sigma\varphi 11y \Rightarrow x = \kappa\pi + 11y, \quad \kappa \in \mathbb{Z}$$

16.4 7)

$$\sigma\varphi x = \sigma\varphi \left(\frac{\pi}{4} - 3y \right) \Rightarrow x = \kappa\pi + \frac{\pi}{4} - 3y, \quad \kappa \in \mathbb{Z}$$