

Β ΛΥΚΕΙΟΥ ΑΛΓΕΒΡΑ

16.2 1)

$$\alpha) \quad \sin x = \sin \frac{\pi}{3} \Rightarrow x = 2k\pi \pm \frac{\pi}{3}, \quad k \in \mathbb{Z}$$

$$\beta) \quad \sin x = \sin 12\alpha \Rightarrow x = 2k\pi \pm 12\alpha, \quad k \in \mathbb{Z}$$

16.2 2)

$$\sin x = \sin \frac{\pi}{6} \Rightarrow x = 2k\pi \pm \frac{\pi}{6}, \quad k \in \mathbb{Z}$$

16.2 3)

$$\sin x = \sin 0 \Rightarrow x = 2k\pi, \quad k \in \mathbb{Z}$$

16.2 4)

$$\sin x = \sin 6\alpha \Rightarrow x = 2k\pi \pm 6\alpha, \quad k \in \mathbb{Z}$$

16.2 5)

$$\sin x = \sin \frac{\pi}{4} \Rightarrow x = 2k\pi + \frac{\pi}{4}, \quad k \in \mathbb{Z}$$

16.2 6)

$$\sin x = \sin \frac{\pi}{3} \Rightarrow x = 2k\pi \pm \frac{\pi}{3}, \quad k \in \mathbb{Z}$$

16.2 7)

$$\sin x = \sin 5y \Rightarrow x = 2k\pi \pm 5y \quad \text{ή} \quad x = 2k\pi + \pi, \quad k \in \mathbb{Z}$$