16.7 1)

α) $2\eta\mu x-1=0\Rightarrow 2\eta\mu x=1\Rightarrow \eta\mu x=\frac{1}{2}\Rightarrow \eta\mu x=\eta\mu\frac{\pi}{6}\Rightarrow x=2\kappa\pi+\frac{\pi}{6}$ ή $x=2\kappa\pi+\pi-\frac{\pi}{6}$, $\kappa\in Z$

β) $3\varepsilon\varphi x+\sqrt{3}=0\Rightarrow \varepsilon\varphi x=-\frac{\sqrt{3}}{3}\Rightarrow \varepsilon\varphi x=-\varepsilon\varphi\frac{\pi}{6}\Rightarrow \varepsilon\varphi x=\varepsilon\varphi\left(-\frac{\pi}{6}\right)\Rightarrow x=\kappa\pi-\frac{\pi}{6}$, $\kappa\in Z$

γ) $\sqrt{2}\sigma\upsilon\nu x+1=0\Rightarrow \sigma\upsilon\nu x=-\frac{1}{\sqrt{2}}\Rightarrow \sigma\upsilon\nu x=-\frac{\sqrt{2}}{2}\Rightarrow \sigma\upsilon\nu x=-\sigma\upsilon\nu\frac{\pi}{4}\Rightarrow \sigma\upsilon\nu x=\sigma\upsilon\nu\left(\pi-\frac{\pi}{4}\right)\Rightarrow$

$\Rightarrow \sigma\upsilon\nu x=\sigma\upsilon\nu\frac{3\pi}{4}\Rightarrow x=2\kappa\pi\pm\frac{3\pi}{4}$, $\kappa\in Z$

16.7 2)

$2\eta\mu x-\sqrt{3}=0\Rightarrow 2\eta\mu x=\sqrt{3}\Rightarrow \eta\mu x=\frac{\sqrt{3}}{2}\Rightarrow \eta\mu x=\eta\mu\frac{\pi}{3}\Rightarrow x=2\kappa\pi+\frac{\pi}{3}$ ή $x=2\kappa\pi+\pi-\frac{\pi}{3}$, $\kappa\in Z$

16.7 3)

$2\sigma\upsilon\nu x-1=0\Rightarrow 2\sigma\upsilon\nu x=1\Rightarrow \sigma\upsilon\nu x=\frac{1}{2}\Rightarrow \Rightarrow \sigma\upsilon\nu x=\frac{\pi}{3}\Rightarrow x=2\kappa\pi\pm\frac{\pi}{3}$, $\kappa\in Z$

16.7 4)

$\sigma\varphi x+1=0\Rightarrow \sigma\varphi x=-1\Rightarrow \sigma\varphi x=-\sigma\varphi\frac{\pi}{4}\Rightarrow \Rightarrow \sigma\varphi x=\sigma\varphi\left(-\frac{\pi}{4}\right)\Rightarrow x=\kappa\pi-\frac{\pi}{4}$, $\kappa\in Z$

16.7 5)

$\varepsilon\varphi x+\sqrt{3}=0\Rightarrow \varepsilon\varphi x=-\sqrt{3}\Rightarrow \varepsilon\varphi x=-\varepsilon\varphi\frac{\pi}{3}\Rightarrow \varepsilon\varphi x=\varepsilon\varphi\left(-\frac{\pi}{3}\right)\Rightarrow x=\kappa\pi-\frac{\pi}{3}$, $\kappa\in Z$

16.7 6)

$\sqrt{3}\sigma\varphi x-1=0\Rightarrow \sqrt{3}\sigma\varphi x=1\Rightarrow \sigma\varphi x=\frac{\sqrt{3}}{3}\Rightarrow \sigma\varphi x=\sigma\varphi\frac{\pi}{3}\Rightarrow x=\kappa\pi+\frac{\pi}{3}$, $\kappa\in Z$

16.7 7)

$\sqrt{2}\eta\mu x+1=0\Rightarrow \sqrt{2}\eta\mu x=-1\Rightarrow \eta\mu x=-\frac{\sqrt{2}}{2}\Rightarrow \eta\mu x=-\eta\mu\frac{\pi}{4}\Rightarrow \eta\mu x=\eta\mu\left(-\frac{\pi}{4}\right)\Rightarrow$

$\Rightarrow x=2\kappa\pi-\frac{\pi}{4}$ ή $x=2\kappa\pi+\pi+\frac{\pi}{4}$, $\kappa\in Z$

16.7 8)

$\sqrt{3}\varepsilon\varphi x-1=0\Rightarrow \sqrt{3}\varepsilon\varphi x=1\Rightarrow \varepsilon\varphi x=\frac{\sqrt{3}}{3}\Rightarrow \varepsilon\varphi x=\varepsilon\varphi\frac{\pi}{6}\Rightarrow x=\kappa\pi+\frac{\pi}{6}$, $\kappa\in Z$

16.7 9)

$2\sqrt{3}\sigma\upsilon\nu x+3=0\Rightarrow 2\sqrt{3}\sigma\upsilon\nu x=-3\Rightarrow \sigma\upsilon\nu x=-\frac{\sqrt{3}}{3}\Rightarrow \sigma\upsilon\nu x=-\sigma\upsilon\nu\frac{\pi}{6}\Rightarrow \sigma\upsilon\nu x=\sigma\upsilon\nu\left(\pi-\frac{\pi}{6}\right)\Rightarrow$

$\Rightarrow \sigma\upsilon\nu x=\sigma\upsilon\nu\left(\frac{5\pi}{6}\right)\Rightarrow x=2\kappa\pi\pm\frac{5\pi}{6}$, $\kappa\in Z$