

Solución

$$\begin{array}{lll} \text{a) } \operatorname{sen} 960^\circ = -\operatorname{sen} 60^\circ = \frac{-\sqrt{3}}{2} & \cos 960^\circ = -\cos 60^\circ = \frac{-1}{2} & \operatorname{tg} 960^\circ = \operatorname{tg} 60^\circ = \sqrt{3} \\ \text{b) } \operatorname{sen}(-45^\circ) = -\operatorname{sen} 45^\circ = \frac{-\sqrt{2}}{2} & \cos(-45^\circ) = \cos 45^\circ = \frac{\sqrt{2}}{2} & \operatorname{tg}(-45^\circ) = -\operatorname{tg} 45^\circ = -1 \\ \text{c) } \operatorname{sen} \frac{41\pi}{6} = \operatorname{sen} \frac{\pi}{6} = \frac{1}{2} & \cos \frac{41\pi}{6} = -\cos \frac{\pi}{6} = \frac{-\sqrt{3}}{2} & \operatorname{tg} \frac{41\pi}{6} = -\operatorname{tg} \frac{\pi}{6} = \frac{-1}{\sqrt{3}} \\ \text{d) } \operatorname{sen} \frac{-9\pi}{2} = -\operatorname{sen} \frac{\pi}{2} = -1 & \cos \frac{-9\pi}{2} = \cos \frac{\pi}{2} = 0 & \operatorname{tg} \frac{-9\pi}{2} = -\operatorname{tg} \frac{\pi}{2} \text{ que no existe} \end{array}$$