

**Solución**

a)  $\operatorname{sen} \alpha = \frac{-\sqrt{91}}{10}$ ,  $\operatorname{tg} \alpha = \frac{-\sqrt{91}}{3}$     b)  $\operatorname{cos} \alpha = \frac{-\sqrt{21}}{5}$ ,  $\operatorname{tg} \alpha = \frac{2}{\sqrt{21}}$     c)  $\operatorname{sen} \alpha = \frac{-5}{\sqrt{26}}$ ,  $\operatorname{cos} \alpha = \frac{-1}{\sqrt{26}}$