

Solución

$$\operatorname{sen}20^\circ = \sqrt{\frac{1 - \cos 40^\circ}{2}} \approx 0'3421$$

$$\operatorname{cos}20^\circ = \sqrt{\frac{1 + \cos 40^\circ}{2}} \approx 0'9397$$

$$\operatorname{tg}20^\circ = \sqrt{\frac{1 - \cos 40^\circ}{1 + \cos 40^\circ}} \approx 0'3641$$

$$\operatorname{sen}80^\circ = 2\operatorname{sen}40^\circ \operatorname{cos}40^\circ \approx 0'9848$$

$$\operatorname{cos}80^\circ = \operatorname{cos}^2 40^\circ - \operatorname{sen}^2 40^\circ \approx 0'1736$$

$$\operatorname{tg}80^\circ = \frac{2 \operatorname{tg}40^\circ}{1 - \operatorname{tg}^2 40^\circ} \approx 5'6728$$