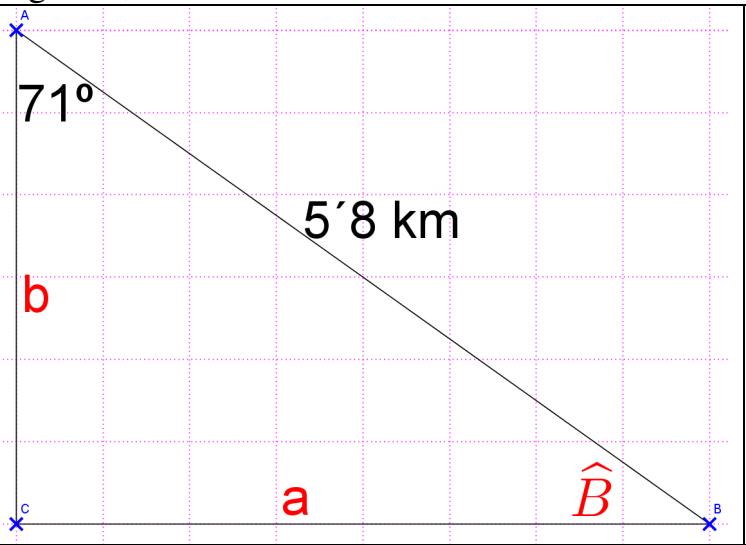
Pág. 158, 12 d

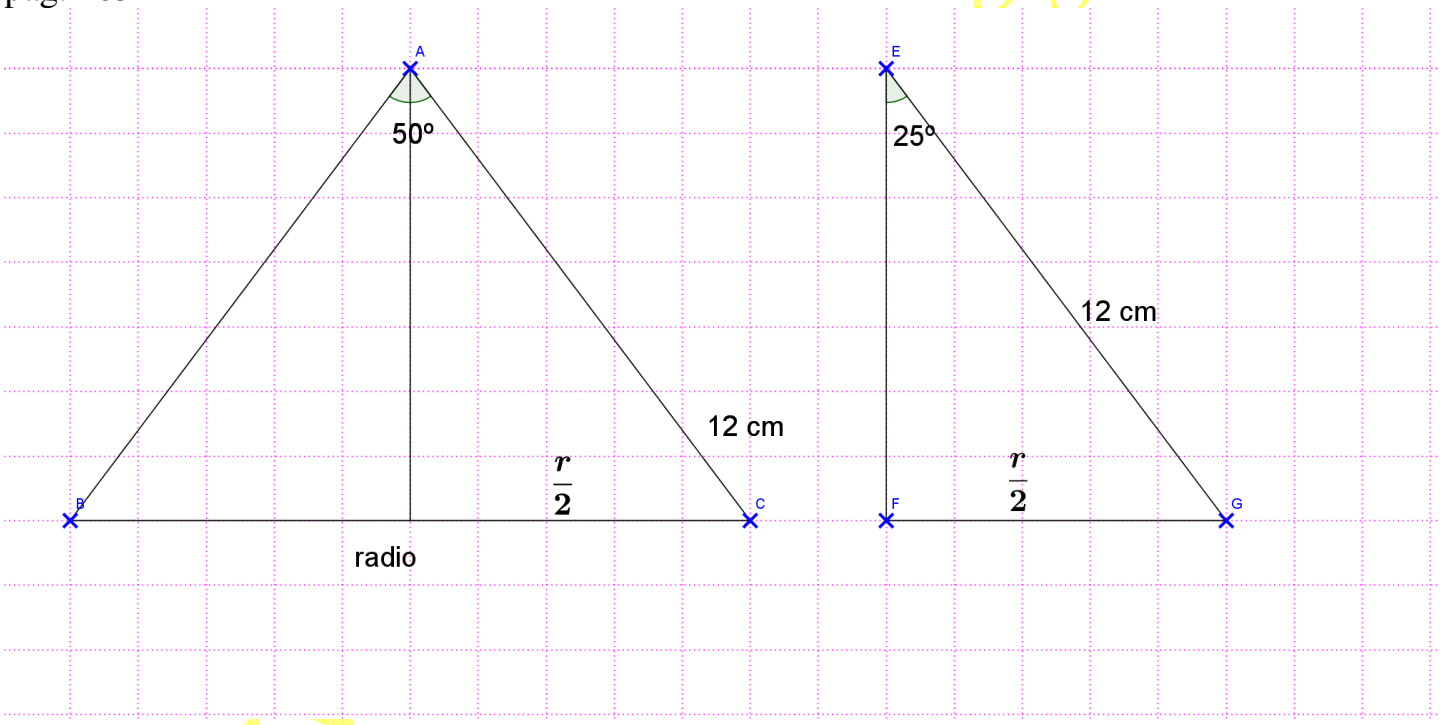



$sen\ 71º = \frac{a}{5´8} \rightarrow a = 5´8\ sen\ 71º = 5´4840\ km$

$\cos 71º = \frac{b}{5´8} \rightarrow b = 5´8\ \cos 71º == 1´8883\ km$

$\hat{B} = 90º - 71º = 19º$

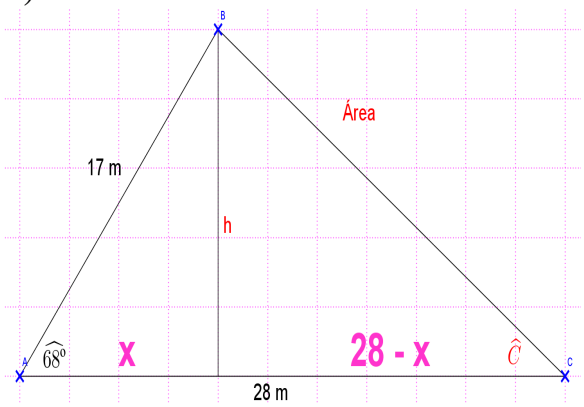
pág. 163 2




$sen\ 25º = \frac{r/2}{12}; \quad 12\ sen\ 25º = \frac{r}{2}; \quad r = 2 \cdot 12 \cdot sen\ 25º = 10´1428 cm$

Con esa abertura puede trazarse una circunferencia de radio 10´1428 cm.

4)




$$sen\,68º = \frac{h}{17};\quad h = 17\ sen\,68º = 15'7621\ m$$

$$A = \frac{base \cdot altura}{2} = \frac{28 \cdot 15'7621}{2} = 220'6698\ m^2$$

$$\cos 68º = \frac{x}{17};\quad x = 17\cos 68º = 6'3683$$

$$28 - x = 21'6317$$

$$tg\,\hat{C} = \frac{h}{28-x} = \frac{15'7621}{21'6317} \rightarrow \hat{C} = arctg\left(\frac{15'7621}{21'6317}\right) = 36'0792º$$