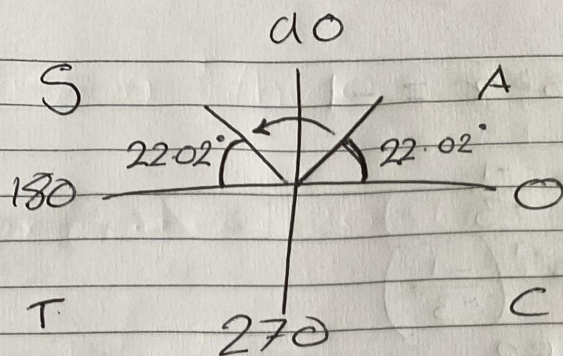




$$180^\circ - 22.02^\circ = 157.92^\circ$$

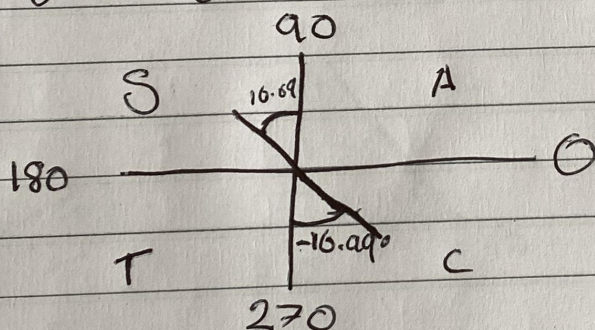
$$x = 157.92$$

$$(iii) -10 \tan x = 3$$

$$\tan x = \frac{3}{-10}$$

$$\therefore x = \tan^{-1}\left(\frac{3}{-10}\right)$$

$$x = -16.69^\circ$$



$$x = 180^\circ + 270^\circ + 16.69^\circ$$

$$x = 286.69$$

$$x = \tan^{-1}(286.69)$$

$$x = -3.33$$