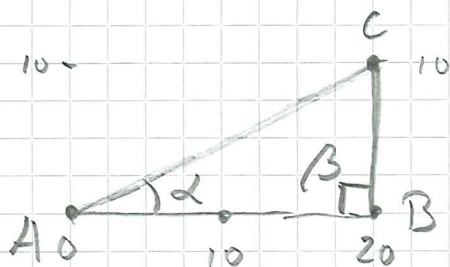


Exercise 2022-11-24

Step 1.-(1-2)

$z=10$



$$\beta = \frac{\pi}{2} = 90^\circ$$

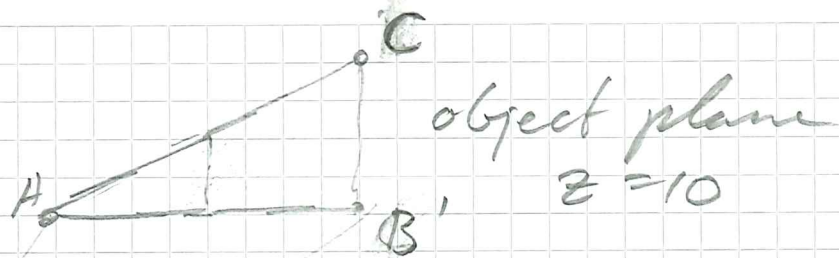
$$\alpha = \underbrace{\operatorname{tg}^{-1} \frac{10}{20}}_{\operatorname{tg}^{-1} \frac{\|BC\|}{\|AB\|}} \approx 0.46 \approx 26,56^\circ$$

Step 1 - (3, 6)

$$A' = (0, 0, 1)$$

$$B' = (2, 0, 1)$$

$$C' = (2, 1, 1)$$



Projection

$$(x, y, z) \mapsto \left(\frac{x}{z}, \frac{y}{z}, 1\right)$$

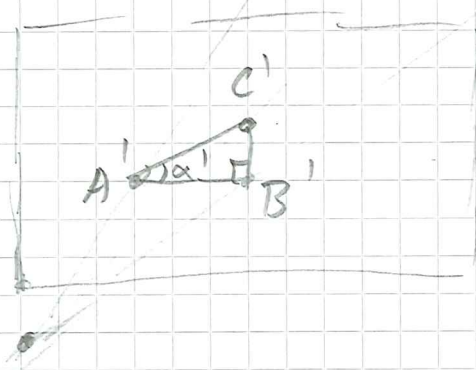


image plane
 $z=1$

⑤ $\|A'B'\| = 2$

$$\|B'C'\| = 1$$

$$\|A'C'\| = \sqrt{5}$$

(by Pythagoras)

$A'B'C'$ is isomorphic to ABC

Hence the angles are the same, and
we copy from ~~the~~ the previous page

$$\alpha' \approx 0.46$$

$$\beta' = \pi/2$$