## Question

Let $X$ be the plane region lying between the positive real axis and imaginary axis and the "positive " branch of the hyperbola $x y=1$.
Sketch the regoins

$$
i X=\{i z \mid \epsilon X\} ; \quad \bar{X}=\{\bar{z} \mid \epsilon X\} ; \quad X^{2}=\left\{z^{2} \mid z \epsilon X\right\}
$$

Answer





