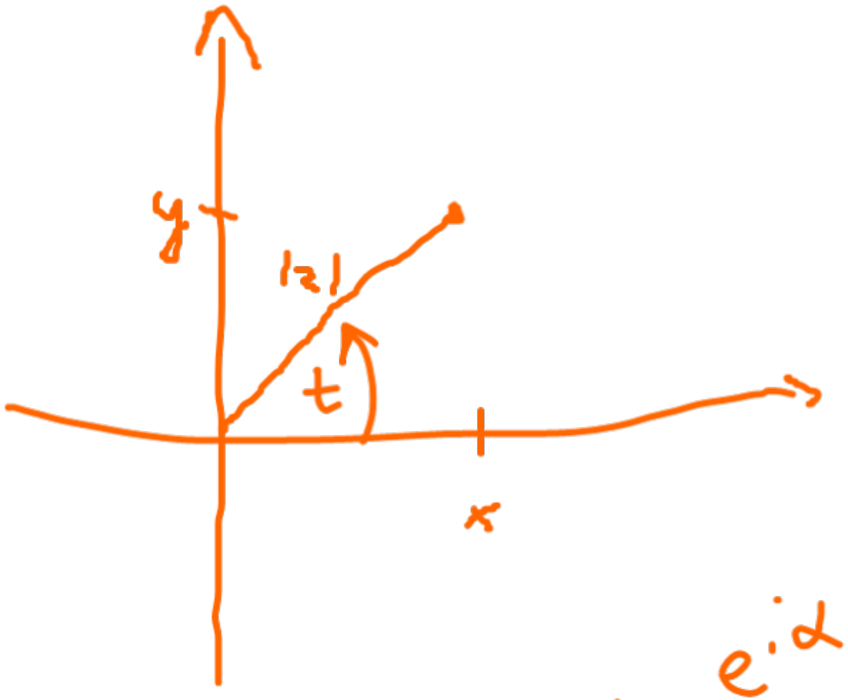
$|z| \cdot (\cos t + i \sin t) =$

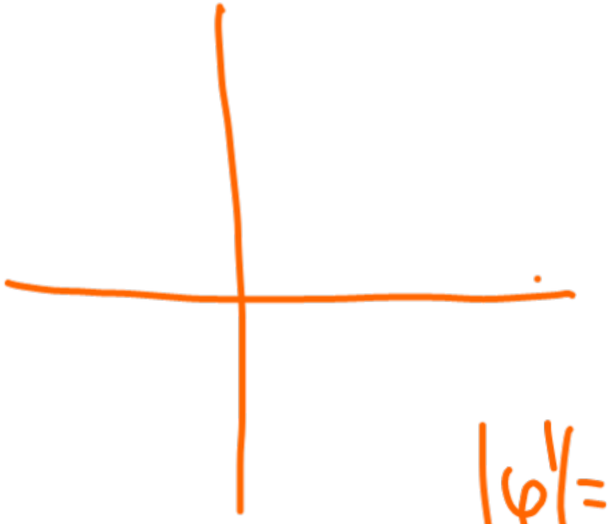
$= |z| \cdot \left(\frac{x}{|z|} + i \frac{y}{|z|} \right) =$

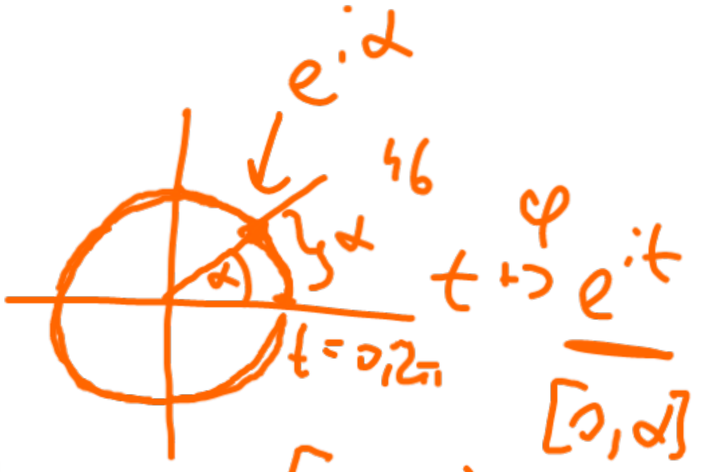
$= x + yi = z$

$z \neq 0$

$t \in (0, 2\pi)$







$|\varphi'| = |i e^{it}| = 1$ $[0, 2\pi)$