El conjugado es $\bar{z}$: $z = a - bi$

Demostrar: $\overline{z_1 \cdot z_2} = \overline{z_1} \cdot \overline{z_2}$ ← entrega xp!!

Para $z_1 = a + bi$, $z_2 = c + di$:

$\overline{z_1} = a - bi$, $\overline{z_2} = c - di$.

$\overline{z_1} \cdot \overline{z_2} = (a - bi)(c - di) = ac - adi - bci + bdi^2 =$

$= ac - bd - (ad + bc)i$

$z_1 \cdot z_2 = (a + bi)(c + di) = ac + adi + bci + bdi^2 =$

$= ac - bd + (ad + bc)i$

$\overline{z_1 \cdot z_2} \Rightarrow u - vi = ac - bd - (ad + bc)i = \overline{z_1} \cdot \overline{z_2}$ ✓