

PROPIEDADES DE LAS OPERACIONES CON COMPLEJOS CONJUGADOS.

1. $z + \bar{z} = 2 \cdot \operatorname{Re}(z)$

2. $z - \bar{z} = 2i \cdot \operatorname{Im}(z)$

3. $z \cdot \bar{z} = |z|^2$

4. $\overline{z_1 \pm z_2} = \bar{z}_1 \pm \bar{z}_2$

5. $\overline{z_1 \cdot z_2} = \bar{z}_1 \cdot \bar{z}_2$

6. $\overline{\left(\frac{z_1}{z_2}\right)} = \frac{\bar{z}_1}{\bar{z}_2}; z_2 \neq 0$

7. $z^{-1} = \frac{\bar{z}}{|z|^2}; z \neq 0$