

$$Z(i) \quad \alpha = -5 - 14i$$

$$N(\alpha) = 291$$

$$221 = 13 \cdot 17$$

$$221 \div 13$$

Busamos elementos de norma 13. $N(3) = 169$

$$a^2 + b^2 = 13$$

$$a = \pm 3 \quad b = \pm 2$$

$$3 + 2i$$

$$3 - 2i$$

$$-3 + 2i$$

$$-3 - 2i$$

$$13 = (3 + 2i) \cdot (3 - 2i) = (3 + 2i)^* \cdot (3 - 2i)$$

Busamos elementos de norma 17.

$$a^2 + b^2 = 17$$

$$a = \pm 4 \quad b = \pm 1$$

$$4 + i$$

$$-4 - i$$

$$-4 + i$$

$$4 - i$$

$$17 = (4 + i) \cdot (4 - i)$$

$$\cancel{-5 - 14i = (3 + 2i) \cdot (3 - 2i) \cdot (4 + i) \cdot (4 - i)}$$

$$\frac{-5 - 14i}{3 + 2i} = 1 - 4i$$