Hernandez Parades Sebastian

Obtener las numeros ZGC que satisfacen la ecuación

$$Z^{3} = \frac{(2,)(22-23)}{2(24)^{21}(25)^{2}}$$

$$-\frac{7}{2} = \frac{(4\cos 90^{\circ})(\sqrt{32}\cos 35^{\circ} - (-4-i))}{2(e^{3/2}\pi_{i})^{21}(-i)^{2}}$$

$$\sqrt{32}$$
 coss $-\sqrt{32}$ cos $\sqrt{35}$ + $\sqrt{32}$ sents; $\sqrt{32}$ ($-\sqrt{2}$) + $(\sqrt{32})$ ($\sqrt{2}$)

$$\frac{2^{3} = (4i)(5i)}{2(e^{5/2}\pi i)^{21}(-i)^{2}} = \frac{(4i)(5i)}{2(e^{5/2}\pi i)^{21}(-i)^{2}} = \frac{(4i)(5i)}{2(e^{5/2}\pi i)^{21}(-i)^{2}} = \frac{(2)^{12}}{2(e^{5/2}\pi i)^{21}(-i)^{2}}$$

$$\frac{2^{3} = \frac{20^{12}}{-2(e^{5/2}\pi_{i})^{21}} = \frac{-20}{-2(e^{5/2}\pi_{i})^{21}} = \frac{-20}{-2(e^{5$$

$$\frac{2^{3}}{-2(1)^{21}} = \frac{-20}{-2(1)^{21}} = \frac{-20}{-21}$$

$$\frac{7^3}{2 \text{ cis } 270}$$

$$\frac{2^3}{2} = \frac{20}{2} \text{ cis} - 90$$

Heinrindez Paredes Sebastian

$$\frac{2^{3/4}}{2^{2}} = \frac{1}{2^{2}+2^{3}}$$

$$= -2 + 2i \qquad z_{1} = 1 + \sqrt{3}i$$

$$\frac{z^{3/4}}{(-2 + 2i)(1 + \sqrt{3}i)} = \frac{1}{(-2 - 2i)(2i)}$$

$$Z_1 = c_1 s \left(\frac{240^\circ}{3} \right) - 7 Z_1 = c_1 s \left(86^\circ \right)$$

 $Z_2 = c_1 s \left(\frac{246^\circ 4 \cdot 366^\circ}{3} \right) - 7 Z_2 = c_1 s \left(200^\circ \right)$
 $Z_3 = c_1 s \left(\frac{240^\circ + 2 - 360^\circ}{2} \right) - 7 Z_3 = c_1 s \left(320^\circ \right)$

$$Z_3 = 2e^{7/2}i$$

 $2co(96°) 2i$
 $-2(1-i) = 0 = 4g^{3}(-9) = 3 + 6°$
 $1+\sqrt{3}i = r = 2$
 $0 = 66$
 $2(1+i) = r = \sqrt{2}$
 $2i = r = 2$
 $0 = 96°$

Hernández Paredes Selastición

$$q(x) = (-x)^4 + (-x)^3 - 11(-x)^2 - q(-x) + 18$$

6)
$$q(x) = x^4 + x^3 - 11x^2 - 9x + 18$$

$$9(x) = (x-1)(x^3+2x^2-9x-18)$$

$$q(x) = (x-1)(x+2)(x^2-q)$$

 $q(x) = (x-1)(x+2)(x+3)(x-3)$

Las raices son

a)
$$g(x) = x^{2}(x^{4} + 8x^{3} + 17x^{2} + 41x - 186)$$

 $g(x) = (x - 6)(x - 6)(x^{4} + 8x^{3} + 17x^{2} + 41x - 186)$
Posibles recises: $\pm 1 \pm 2 \pm 3 \pm 4 \pm 6 \pm 12 \pm 13 \pm 26 \pm 39 \pm 62$
1 8 17 4 -186 2
1 10 37 78 6
 $g(x) = (x - 6)(x - 6)(x - 2)(x^{3} + 10x^{2} + 37x + 78)$
1 10 37 78 -6 -24 -78 -6
1 4 13 0
 $g(x) = (x - 6)(x - 6)(x - 6)(x - 2)(x + 6)(x^{2} + 4x + 13)$
 $f(x) = (x - 6)(x - 6)(x - 6)(x - 2)(x + 6)(x^{2} + 4x + 13)$

$$\frac{2(1)}{2(1)}$$

$$\Delta s_{,6} = -4 \pm \sqrt{16-52}$$

$$\frac{4s = -4 + 6i}{2} = 34s = -2 + 3i$$

$$46 = -4 - 6i$$

$$2 = 46 = -2 - 3i$$

raices

$$0.1 = 42 = 6$$

 $0.3 = -2$
 $0.4 = 6$
 $0.5 = -2 + 3i$
 $0.6 = 2 - 3i$