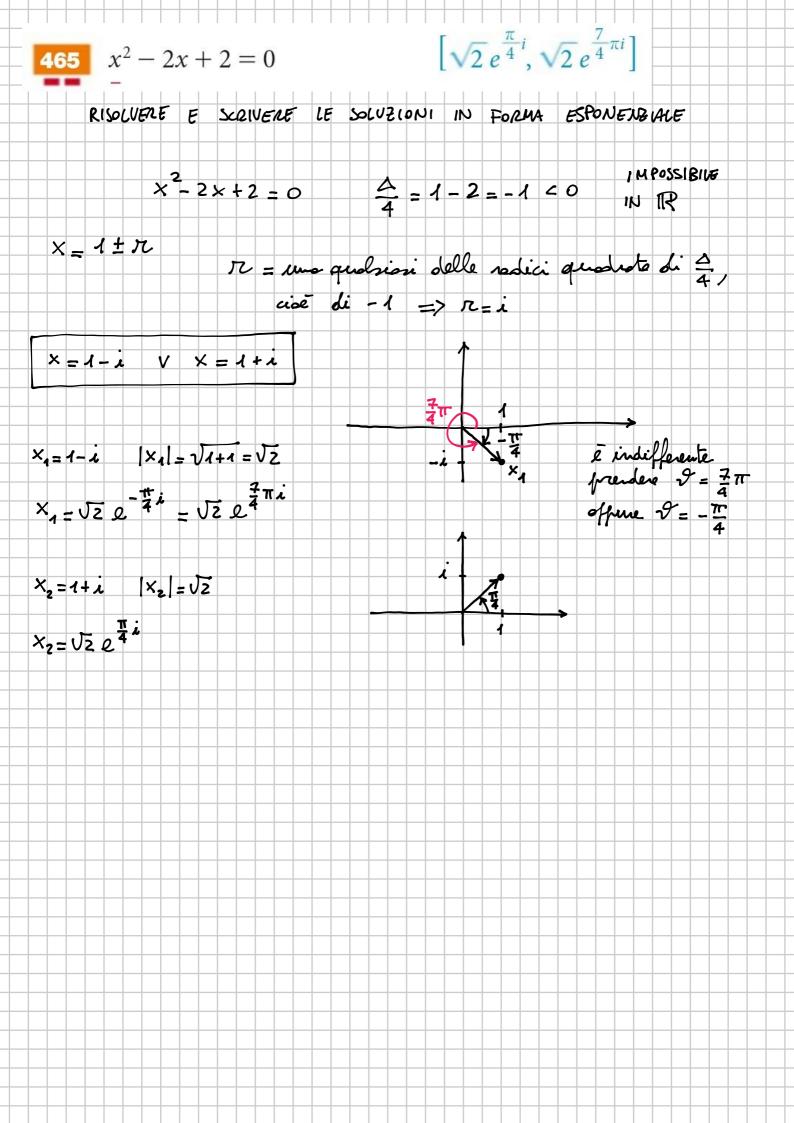
417
$$\sqrt{3}e^{i\frac{\pi}{3}}$$
 $\left[\frac{\sqrt{3}}{2} + \frac{3}{2}i\right]$ $\left[\frac{\sqrt{3}}{2} + \frac{3}{2}i\right]$ $\left[\frac{\sqrt{3}}{2} + i\frac{\sqrt{3}}{2}i\right]$ $\left[\frac{\sqrt{3}}{2} + i\frac{\sqrt{3}}{2}i\right] = \frac{\sqrt{3}}{2} + \frac{3}{2}i$ $\left[\frac{\sqrt{3}}{3} + i\frac{\sqrt{3}}{3}i\right] = \frac{\sqrt{3}}{2} + \frac{3}{2}i$ $\left[\frac{\sqrt{3}}{2} + i\frac{\sqrt{3}}{2}i\right] = \frac{\sqrt{3}}{2}i$ $\left[\frac{\sqrt{3}}{2} + i\frac{\sqrt{3}}{2}i\right] = \frac{\sqrt{3}}{2}i$

 $\sqrt{2} = \pi + \frac{\pi}{4} = \frac{7}{4} \pi$

 $2 = 2 e^{\lambda \frac{2}{6}\pi}$



$$(3-2i)^3 + \frac{1-i^{21}}{-1+i^{19}} - \frac{5(2+i)}{2-i} - (2+i)(2-i) =$$

Calcolore il robre di quete expressione

$$= 27 + 3 \cdot 9 \cdot (-2i) + 3 \cdot 3 \cdot (-2i)^{2} + (-2i)^{3} + \frac{1-i}{-1-i} + \frac{5(2+i)}{2-i} \cdot \frac{2+i}{2+i}$$

$$\dot{\lambda}^{49} = (\dot{\lambda}^4)^4 \cdot \dot{\lambda}^3 = 1 \cdot \dot{\lambda}^3 = -\dot{\lambda}$$

$$=27-54i+9\cdot 4\cdot (-1)-8(-i)+\frac{1-i}{-1-i}\cdot \frac{-1+i}{-1+i}-\frac{5(2+i)^2}{4+1}-4-1=$$

$$=27-54i-36+8i+\frac{7(+i+i+1)}{1+1}-(4+4i-1)-5=$$

$$=-9-46i+i-3-4i-5=-17-49i$$

$$x^{5} + 4x^{3} + x^{2} + 4 = 0$$

$$x^{3}(x^{2} + 4) + (x^{2} + 4) = 0$$

$$(x^{2} + 4)(x^{3} + 1) = 0$$

$$(x^{2} + 4)(x + 1)(x^{2} - x + 1) = 0$$

$$(x - 2i)(x + 2i)(x + 1)(x^{2} - x + 1) = 0$$

$$x^{2} - x + 1 = 0 \qquad \Delta = 1 - 4 = -3 \qquad R_{2} = \sqrt{3}i \qquad \text{Indic quot led di } -3$$

$$x = \frac{1 \pm \sqrt{3}i}{2}$$

$$x = \pm 2i \quad \forall \quad x = -1 \quad \forall \quad x = \frac{1 \pm \sqrt{3}i}{2}$$

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coefficiente di graso mox é 1