

Enunciados

Calcula el resultado de estas expresiones:

- ① $\frac{8-19i}{4-i} + i^{38} + \overline{1+i}$
- ② $5 + \overline{3i} - (2+7i)(-3+i)$
- ③ $i^{-12} + (-3+2i)^2$
- ④ $(\overline{2-5i})^2 + i^{35}$
- ⑤ $\frac{2+3i}{-i} \cdot (5-4i) - \overline{(-3+4i)}$
- ⑥ $(1-2i)^3 - (1+2i)^2$
- ⑦ $\left(\frac{14-3i}{1-2i} \right)^2$
- ⑧ $i^{121} - (-i)^{203} - (4-3i)(4+3i)$
- ⑨ $((4-3i)^2 + 21i - 8)^2$
- ⑩ $\frac{i}{2+i} + \frac{4+3i}{5}$
- ⑪ $\left(\frac{(3-i)^2}{2} - \overline{5+3i} \right)^{71}$
- ⑫ $((2+6i)^2 + (3-4i)^2)^2$
- ⑬ $\overline{4+3i} - (5-8i) + i(2-7i)$
- ⑭ $\frac{\frac{19+3i}{1+2i} + \frac{-22+16i}{3+i}}{(17+51i)^{31}}$
- ⑮ $\frac{4+8i}{(1+i)^2}$
- ⑯ $\frac{(10-11i)(6+7i)}{(4-i)^2}$
- ⑰ $(i^{111} + i^{-42})^4$
- ⑱ $\frac{2+3i}{1+i} + \frac{3-4i}{1-i}$
- ⑲ $((4-i)(3+5i))^2 \cdot (2-3i) \cdot (-i^{42})$
- ⑳ $\left(\frac{2+5i}{2+i} + \frac{1}{1-2i} \right)^2 + (2i)^3$
- ㉑ $(2i^7 + 3i^8)^3$

Soluciones

- ① $3-5i$
- ② $18+16i$
- ③ $6-12i$
- ④ $-21+19i$
- ⑤ $-4+26i$
- ⑥ $-8-2i$
- ⑦ $-9+40i$
- ⑧ -25
- ⑨ $-8+6i$
- ⑩ $1+i$
- ⑪ -1
- ⑫ 1521
- ⑬ $6+7i$
- ⑭ 0
- ⑮ $4-2i$
- ⑯ $7+4i$
- ⑰ -4
- ⑱ 6
- ⑲ $1734+1156i$
- ⑳ 0
- ㉑ $-9-46i$