

Enunciados

Escribe las siguientes expresiones del modo más sencillo posible.

- ① $(2\sqrt{11})\sqrt{11}$
- ② $\sqrt{3}(2+7\sqrt{27})$
- ③ $(5+3\sqrt{2})(4-7\sqrt{2})$
- ④ $(5+3\sqrt{5})^2$
- ⑤ $(4-7\sqrt{3})^2$
- ⑥ $(1+3\sqrt{7})(1-3\sqrt{7})$
- ⑦ $(2+\sqrt{3})^4$
- ⑧ $(2-7\sqrt{5})^2 + (1+8\sqrt{5})^2$
- ⑨ $(2+3\sqrt{11})(-2+4\sqrt{11})+(5-\sqrt{11})^2$
- ⑩ $(4+\sqrt{13})(4-\sqrt{13})+(2-\sqrt{17})(2+\sqrt{17})$
- ⑪ $(2\sqrt{13})\sqrt{13}$
- ⑫ $\sqrt{5}(1-\sqrt{125})$
- ⑬ $(7-2\sqrt{3})(2-5\sqrt{3})$
- ⑭ $(2+7\sqrt{2})^2$
- ⑮ $(5-2\sqrt{3})^2$
- ⑯ $(4-5\sqrt{2})(4+5\sqrt{2})$
- ⑰ $(1-\sqrt{5})^4$
- ⑱ $(4-\sqrt{3})^2+(5+3\sqrt{3})^2$
- ⑲ $(-1+4\sqrt{13})(2+3\sqrt{13})+(5-2\sqrt{13})^2$
- ⑳ $(1+\sqrt{5})(1-\sqrt{5})+(4-\sqrt{13})(4+\sqrt{13})$
- ㉑ $(1+\sqrt[4]{2})(1-\sqrt[4]{2})(1+\sqrt{2})$
- ㉒ $(1+\sqrt[4]{3})^2+\sqrt[4]{3}(\sqrt[4]{3}-2)$
- ㉓ $\frac{(\sqrt{3}+1)^2}{4}+\frac{3(3-\sqrt{3})^2}{4}$
- ㉔ $(\sqrt{3}+\sqrt{10})^2+(\sqrt{2}-\sqrt{15})^2$
- ㉕ $\frac{(3+\sqrt{8})(3-\sqrt{8})}{(4-\sqrt{15})(4+\sqrt{15})}$

Soluciones

- ① 22
- ② $2\sqrt{3} + 63$
- ③ $-22 - 23\sqrt{2}$
- ④ $70 + 30\sqrt{5}$
- ⑤ $163 - 56\sqrt{3}$
- ⑥ -62
- ⑦ $97 + 56\sqrt{3}$
- ⑧ $570 - 12\sqrt{5}$
- ⑨ $164 - 8\sqrt{11}$
- ⑩ -10
- ⑪ 26
- ⑫ $\sqrt{5} - 25$
- ⑬ $44 - 39\sqrt{3}$
- ⑭ $102 + 28\sqrt{2}$
- ⑮ $27 - 20\sqrt{3}$
- ⑯ -34
- ⑰ $56 - 24\sqrt{5}$
- ⑱ $71 + 22\sqrt{3}$
- ⑲ $231 - 15\sqrt{13}$
- ⑳ -1
- ㉑ -1
- ㉒ $1 + 2\sqrt{3}$
- ㉓ $10 - 4\sqrt{3}$
- ㉔ 30
- ㉕ 1