

## ALGEBRATOR 9 7TH

Selecciona la respuesta, entre los 3 propuestos.

Todo es con cálculo mental o simple análisis visual, no se requiere ningún cálculo escrito.

El tiempo utilizado debe ser máximo de **4 minutos**.

**(IIBim)**

**Criterio Bii:** Describir patrones como relaciones o reglas generales coherentes con los hallazgos

|                                            |                                        |                                                                                            |                                  |
|--------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------|
| $\sqrt{0,36} =$                            | 9                                      | $[(71^{-6})^{-3}]^{-2} =$                                                                  | $71^{11}$                        |
|                                            | 0,06                                   |                                                                                            | $71^{-36}$                       |
|                                            | 0,6                                    |                                                                                            | $71^{-11}$                       |
| $\sqrt[3]{0,027} =$                        | 0,3                                    | $63^{-12} =$                                                                               | $12/63$                          |
|                                            | 0,03                                   |                                                                                            | $1/63^{12}$                      |
|                                            | 0,09                                   |                                                                                            | $-1/63^{12}$                     |
| $\sqrt{0,0225} =$                          | 1,5                                    | $\left(\frac{13}{9}\right)^{-1} =$                                                         | $-13/9$                          |
|                                            | 1,6                                    |                                                                                            | $13/9$                           |
|                                            | 0.15                                   |                                                                                            | $9/13$                           |
| $(103^{16} \cdot 7^{16}) =$                | $(103 \cdot 7)^{32}$                   | $\frac{1}{10^4} =$                                                                         | $10^{-4}$                        |
|                                            | $(103 \cdot 7)^{16}$                   |                                                                                            | $10^4$                           |
|                                            | $(103 \cdot 7)^0$                      |                                                                                            | $10^2$                           |
| $(70^7 \cdot 11^{30})^2 =$                 | $70^9 11^{32}$                         | $(-7,5)^2: (-7,5)^{-3} =$                                                                  | $(-7,5)^6$                       |
|                                            | $(70 \cdot 11)^{67}$                   |                                                                                            | $(-7,5)^{-1}$                    |
|                                            | $70^{14} 11^{60}$                      |                                                                                            | $(-7,5)^5$                       |
| $\sqrt[9]{\sqrt[3]{0,144}} =$              | $\sqrt[13]{0,144}$                     | $\left(\frac{8}{3}\right)^4 \left(\frac{8}{3}\right)^{-4} \left(\frac{8}{3}\right)^{-6} =$ | $\left(\frac{8}{3}\right)^{-6}$  |
|                                            | $\sqrt[13]{0,12}$                      |                                                                                            | $\left(\frac{8}{3}\right)^{-14}$ |
|                                            | $\sqrt[36]{0,144}$                     |                                                                                            | $\left(\frac{8}{3}\right)^6$     |
| $\left(\frac{5}{9}\right)^{\frac{4}{7}} =$ | $\sqrt[4]{\left(\frac{5}{9}\right)^7}$ | $\left[\left(\frac{51^8}{77^4}\right)^{-2}\right]^3 =$                                     | $51^{48}/77^{24}$                |
|                                            | $\sqrt[7]{\frac{5^4}{9}}$              |                                                                                            | $77^{24}/51^{48}$                |
|                                            | $\sqrt[7]{\left(\frac{5}{9}\right)^4}$ |                                                                                            | $51^{-48}/77^{24}$               |

|                                      |                                                                         |                      |                                 |
|--------------------------------------|-------------------------------------------------------------------------|----------------------|---------------------------------|
| $-1,3^{\frac{2}{5}} =$               | $-\sqrt[2]{1,3^5}$<br>$\sqrt[5]{-1,3^2}$<br>$-\sqrt[5]{1,3^2}$          | $9^0 =$              | 1<br>9<br>0                     |
| $\sqrt{3 \cdot 61} =$                | $\sqrt{3 \cdot 61}$<br>$3\sqrt{61}$<br>$\sqrt{3} \cdot \sqrt{61}$       | $9,407 : 10^5$       | 940700<br>0,00009407<br>9,00407 |
| $\frac{\sqrt[5]{9}}{\sqrt[5]{11}} =$ | $\sqrt[10]{\frac{9}{11}}$<br>$\sqrt[5]{\frac{9}{11}}$<br>$\frac{9}{11}$ | $798 \times 10^{-4}$ | 7980000<br>0,0000798<br>0,0798  |