EXPONENCIALES

$$(2)$$
 $2^{x+1} + 2^{x} + 2^{x-1} = 14$

$$0 = 25$$

$$5^{\times}$$
 = 5^{2}

$$X-1=2$$





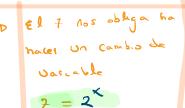
$$2^{\times} \cdot 2^{\prime} + 2^{\times} + \frac{2^{\times}}{2^{\prime}} = 2 - 1$$

$$\frac{2 \cdot 2 + 2 + \frac{2}{2} = 14}{2} = 14$$

$$2 \cdot \left(32 + \frac{2}{2}\right) = \left(14\right) \cdot 2$$

$$z=\frac{28}{7}$$





deshacemos el

cambio







$$\begin{pmatrix} 3 \\ 2 \\ -6 \\ 3 \end{pmatrix} + 81 = 0$$

Este 2, nos oblige
$$(3^2)^{\times} = (3^{\times})^2$$

$$(3^2)^{\times}$$

$$= 2 \cdot 3 \cdot 3 \cdot 3 + 3^{9} = 0$$
Este 2, not oblige
ha hacer un
cambio de Unielle



$$\frac{1}{2^2 - 6 \cdot 2 \cdot 3 + 81 = 0}$$
 $\frac{1}{2}$

$$z^{2} - 19z + 81z = 0$$

$$z = \frac{18+0}{2} = 9$$
Solución
$$z = \frac{18-0}{2} = 9$$
Assle



$$\xi = \frac{18-0}{2} = 9$$

$$2 = 3^{\times}$$

$$2 = 9$$

$$3^{\times} = 9$$

$$3^{\times} = 3^{2}$$

$$X = 2$$

$$X = 2$$

$$\int_{-\infty}^{\infty} \frac{\chi = 2}{2}$$

$$(4.2^{\times} = 4^{2x^2+1})$$

$$2^{2} \cdot 2^{\times} = (2^{2})^{2 \times^{2} + 1}$$

$$2^{2+x} = 2^{4x^2+2}$$

$$2+x = 4x^{2} + 2$$

$$4x^{1}-x=0$$



$$X \cdot (4x - 1) = 0$$



$$(f.e.)$$

$$(4x-1)=0$$

$$(4x-1)=0$$





$$\frac{9}{2^{\times}} = 2^{2x^2+1}$$

$$\frac{2^2}{2^{\times}} = 2^{\times 2^{\times} + 1}$$



$$2^{2-x} = 2^{2x^2+1}$$

$$2-x=2x^2+1$$



$$2x^{2} + x - 1 = 0$$

$$X = -1$$

$$X = \frac{1}{2}$$