

FACTORIZACION II

Selecciona la respuesta correcta y arrastra al ejercicio que corresponde

$$32 + a^5$$

$$x^6 - 41x^4 + 184x^2 - 144$$

$$m^3 + 2m^2 - m - 2$$

$$p^7 - 1$$

$= (p - 1)[p^6 + p^5 \cdot 1 + p^4 \cdot 1^2 + p^3 \cdot 1^3 + p^2 \cdot 1^4 + p \cdot 1^5 + 1^6]$

$= (2 + a)(2^4 - 2^3a + 2^2a^2 - 2a^3 + a^4)$

1	+2	-1	-2
-2	↓	-2	0 +2
1	0	-1	0
1	↓	+1	+1
1	+1	0	
-1	↓	-1	
1	0		

$$\begin{array}{r|rrrrrrr}
 & 1 & 0 & -41 & 0 & +184 & 0 & -144 \\
 -1 & \downarrow & -1 & +1 & +40 & -40 & -144 & +144 \\
 \hline
 & 1 & -1 & -40 & +40 & +144 & -144 & 0 \\
 & \downarrow & & & & & & \\
 1 & \downarrow & +1 & 0 & -40 & 0 & +144 & \\
 \hline
 & 1 & 0 & -40 & 0 & +144 & 0 & \\
 & \downarrow & & & & & & \\
 -2 & \downarrow & -2 & +4 & +72 & -144 & & \\
 \hline
 & 1 & -2 & -36 & +72 & 0 & & \\
 & \downarrow & & & & & & \\
 2 & \downarrow & 2 & 0 & -72 & & & \\
 \hline
 & 1 & 0 & -36 & & & & \\
 & \downarrow & & & & & & \\
 -6 & \downarrow & -6 & +36 & & & & \\
 \hline
 & 1 & -6 & 0 & & & & \\
 & \downarrow & & & & & & \\
 6 & \downarrow & +6 & & & & & \\
 \hline
 & 1 & 0 & & & & &
 \end{array}$$