División de Monomios y Polinomios

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Resolver las divisiones de Monomios:

$$\frac{6x^3y^2z}{2xy^2z^2} = \frac{3\square}{\square}$$

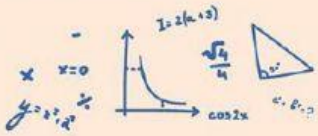
$$\frac{10y^5}{2y^2} = 5\square$$

$$\frac{-6r^3}{4r^4} = \square\frac{\square}{\square\,\square}$$

Resolver las divisiones de Polinomios:

1. -

$$
\begin{array}{r|l}
3x^3+13x^2-13x+2 & 3x-2 \\
\hline
\square\,+2x^2 & \square\,+5x\,\square \\
\hline
0+\square\,13x+2 & \\
\hline
-15x^2+\square & \\
\hline
0\ -3x+2 & \\
\hline
\square\,-2 & \\
\hline
0 &
\end{array}
$$



2.
-

$$x^4 - 2x^3 - 11x^2 + 30x - 20 \;\big|\; x^2 + 3x - 2$$

$$-x^4 \;\square + \square \qquad\qquad x^2 \;\square + 6$$

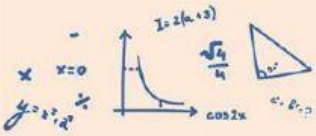
$$-5x^3 \;\square + 30x$$

$$5x^3 + 15x^2 \;\square$$

$$\square + 20x - 20$$

$$-6x^2 - 18x + 12$$

$$\square - 8$$

3.
-

$$
\begin{array}{l|l}
3x^4+5x^3 \quad - 2x \ +3 & x^2-3x+2 \\
\hline
\square+9x^3-\square & \square+14x\square \\
\quad \square-6x^2-\square+3 & \\
-14x^3+42x^2-28x & \\
\hline
\qquad \square-30x \ +3 & \\
\qquad -\cancel{36x^2}\ \square-72 & \\
\hline
\qquad 78x \ -69 &
\end{array}
$$