

$$\begin{array}{r}
 x^3 \quad 12x^2 \quad +0x \quad 42 \\
 x^3 \quad 3x^2 \\
 \hline
 \end{array}
 \left| \begin{array}{r}
 x \quad 3 \\
 \hline
 x^2 \quad 9x \quad 27
 \end{array} \right.$$

$$9x^2 \quad 42$$

$$9x^2 \quad +27x$$

$$27x \quad 42$$

$$27x \quad +81$$

$$123$$