

$$\begin{array}{r}
 \overline{x - 3} \quad R \ 9x + 4 \\
 x^2 + 3x + 1 \bigg) \overline{x^3 + 0x^2 + x + 1} \\
 \underline{x^3 + 3x^2 + x} \\
 -3x^2 + 0x + 1 \\
 \underline{-3x^2 - 9x - 3} \\
 9x + 4
 \end{array}$$