

$$\begin{array}{r}
 x^2 - 2x + 4 \\
 \hline
 3x + 1 \overline{) 3x^3 - 5x^2 + 10x - 3} \\
 \underline{3x^3 + 1x^2} \\
 -6x^2 + 10x - 3 \\
 \underline{-6x^2 - 2x} \\
 12x - 3 \\
 \underline{12x + 4} \\
 -7
 \end{array}$$