

$$\begin{array}{r}
 (3x^3 - 10x^2 + 7x - 12) : (x - 3) = 3x^2 - x + 4 \\
 \underline{-3x^3 } \\
 -x^2 + 7x \\
 \underline{x^2 - 3x} \\
 4x - 12 \\
 \underline{-4x + 12} \\
 0
 \end{array}$$