

$$\begin{array}{r} 9x^2 - 12x + 16 \\ 3x + 4 \overline{) 27x^3 + 0x^2 + 0x + 64} \\ \underline{-(27x^3 + 36x^2)} \\ -36x^2 + 0x + 64 \\ \underline{-(-36x^2 - 48x)} \\ 48x + 64 \\ \underline{-(48x + 64)} \\ 0 \end{array}$$