

$$\begin{array}{r}
 x^2 + 4x + 4 \\
 x + 1 \overline{) x^3 + 5x^2 + 8x + 4} \\
 \underline{x^3 + x^2} \\
 4x^2 + 8x + 4 \\
 \underline{4x^2 + 4x} \\
 4x + 4 \\
 \underline{4x + 4} \\
 0
 \end{array}$$