

$$\begin{array}{r}
 \overline{x^2 + 9x + 25} \\
 x - 3 \overline{) x^3 + 6x^2 - 2x - 8} \\
 \underline{-(x^3 - 3x^2)} \\
 9x^2 - 2x - 8 \\
 \underline{-(9x^2 - 27x)} \\
 25x - 8 \\
 \underline{-(25x - 75)} \\
 67
 \end{array}$$