

Subtract

$$\begin{array}{r} x+4 \\ \underline{-} \quad \quad \quad \underline{2x+3} \\ x-x-2 \end{array}$$

$$\begin{array}{c} (x+4)(x+4) \\ \underline{(x+1)(x-2)(x+4)} \end{array} - \begin{array}{c} (2x+3)(x+1) \\ \underline{(x+4)(x-2)(x+1)} \end{array}$$

$$\begin{array}{r} x^2 + 8x + 16 \\ \underline{+ \quad \quad \quad -2x^2 + 5x + 3} \\ (x+1)(x-2)(x+4) \end{array} \quad (x+1)(x-2)(x+4)$$

$$\boxed{\begin{array}{r} -x^2 + 3x + 13 \\ \underline{(x+1)(x-2)(x+4)} \end{array}}$$