

S 110 Nr. 2

$$\begin{array}{r} \text{a) } (x^3 + 2x^2 - 17x + 6) : (x - 3) = \underline{\underline{x^2 + 5x - 2}} \\ -(x^3 - 3x^2) \\ \hline 5x^2 - 17x + 6 \\ -(5x^2 - 15x) \\ \hline -2x + 6 \\ -(-2x + 6) \\ \hline 0 \end{array}$$

$$\begin{array}{r} \text{b) } (2x^3 + 2x^2 - 21x + 12) : (x + 4) = \underline{\underline{2x^2 - 6x + 3}} \\ -(2x^3 + 8x^2) \\ \hline -6x^2 - 21x + 12 \\ -(-6x^2 - 24x) \\ \hline 3x + 12 \\ -(3x + 12) \\ \hline 0 \end{array}$$

$$\begin{array}{r} \text{c) } (2x^3 - 7x^2 - x + 2) : (2x - 1) = \underline{\underline{x^2 - 3x - 2}} \\ -(2x^3 - x^2) \\ \hline -6x^2 - x + 2 \\ -(-6x^2 + 3x) \\ \hline -4x + 2 \\ -(-4x + 2) \\ \hline 0 \end{array}$$

$$\begin{array}{r} \text{d) } (x^4 + 2x^3 - 4x^2 - 9x - 2) : (x + 2) = \underline{\underline{x^3 - 4x - 1}} \\ -(x^4 + 2x^3) \\ \hline 0 - 4x^2 - 9x - 2 \\ -(-4x^2 - 8x) \\ \hline -x - 2 \\ -(-x - 2) \\ \hline 0 \end{array}$$